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OM protein - protein search, using sw model

Run on: April 12, 2003, 22:29:49 ; Search time 9.77318 Seconds
(without alignments)
1382.463 Million cell updates/sec

Title: US-09-380-546a-4
Perfect score: 1114
Sequence: 1 MSAEVHVQVEALDTEKEM.....RMITPYAHCPDLKILNCISM 221

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 248812 seqs, 61136040 residues 248812

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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- 11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1114	100.0	221	10	US-09-410-194-15
2	1114	100.0	221	10	US-09-410-194-22
3	1007	90.4	480	10	US-09-861-270-2
4	1007	90.4	480	10	US-09-410-194-11
5	1007	90.4	480	10	US-09-410-194-17
6	713	64.0	481	10	US-09-410-194-12
7	713	64.0	481	10	US-09-410-194-19
8	701.5	63.0	484	9	US-10-005-921-2
9	465	41.7	93	10	US-09-864-761-36370
10	248	22.3	182	10	US-09-410-194-24
11	239	21.5	171	10	US-09-410-194-4
12	234	21.0	169	10	US-09-410-194-2
13	234	21.0	188	10	US-09-410-194-23
14	198.5	17.8	169	10	US-09-410-194-5
15	192.5	17.3	479	10	US-09-410-194-20
16	185.5	16.7	177	10	US-09-410-194-7
17	170.5	15.3	171	10	US-09-410-194-1
18	170.5	15.3	171	10	US-09-410-194-13
19	170.5	15.3	250	9	US-10-068-564-48

20	170.5	15.3	250	10	US-09-989-903-48	Sequence 48, Appl
21	168	15.1	476	10	US-09-954-697-27	Sequence 27, Appl
22	168	15.1	496	10	US-09-952-768-4	Sequence 4, Appl
23	160	14.4	521	10	US-09-962-834A-2	Sequence 2, Appl
24	160	14.4	571	10	US-09-410-194-21	Sequence 21, Appl
25	157	14.1	479	10	US-09-952-768-2	Sequence 2, Appl
26	157	14.1	479	10	US-09-954-697-33	Sequence 33, Appl
27	155	13.9	165	10	US-09-410-194-6	Sequence 6, Appl
28	144	12.9	170	10	US-09-410-194-8	Sequence 8, Appl
29	110	9.9	76	9	US-10-001-254-32	Sequence 32, Appl
30	110	9.9	79	10	US-09-952-768-68	Sequence 68, Appl
31	110	9.9	256	10	US-09-933-814-2	Sequence 2, Appl
32	110	9.9	256	10	US-09-824-134-2	Sequence 2, Appl
33	109.5	9.8	167	10	US-09-410-194-3	Sequence 3, Appl
34	107	9.6	110	10	US-09-864-761-36543	Sequence 36543, A
35	101	9.1	75	9	US-10-001-254-31	Sequence 31, A
36	95	8.5	1057	10	US-09-815-242-5798	Sequence 5798, Ap
37	95	8.5	1107	10	US-09-815-242-12815	Sequence 12815, A
38	95	8.5	1198	10	US-09-815-242-12446	Sequence 12446, A
39	94.5	8.5	78	10	US-09-952-768-67	Sequence 67, Appl
40	94	8.4	84	10	US-09-952-768-64	Sequence 64, Appl
41	93	8.3	699	9	US-09-738-626-5012	Sequence 5012, Ap
42	91.5	8.2	1191	10	US-09-921-099-2	Sequence 2, Appl
43	91.5	8.2	1191	10	US-09-921-099-4	Sequence 4, Appl
44	91	8.2	81	10	US-09-410-194-9	Sequence 9, Appl
45	90	8.1	75	10	US-09-952-768-66	Sequence 66, Appl

ALIGNMENTS

RESULT 1

US-09-410-194-15
; Sequence 15, Application US/09410194

; Patent No. US20020095030A1

; GENERAL INFORMATION:

; APPLICANT: Tschoopp, Jurg

; APPLICANT: Thome, Margot

; APPLICANT: Burns, Kimberly

; APPLICANT: Immler, Marten

; APPLICANT: Hahne, Michael

; APPLICANT: Schroter, Michael

; APPLICANT: Schneider, Pascal

; APPLICANT: Bodmer, Jean- Luc

; APPLICANT: Steiner, Veronique

; APPLICANT: Rimoldi, Donata

; APPLICANT: Hofmann, Kay

; APPLICANT: French, E. Lars

; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS

; FILE REFERENCE: 11141-002001

; CURRENT APPLICATION NUMBER: US/09/410,194

; CURRENT FILING DATE: 1999-09-30

; PRIOR APPLICATION NUMBER: PCT/EP98/01857

; PRIOR FILING DATE: 1998-03-31

; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2

; PRIOR FILING DATE: 1997-04-01

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 15

; LENGTH: 221

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-410-194-15

Query Match 100.0%; Score 1114; DB 10; Length 221;
Best Local Similarity 100.0%; Pred. No. 7.7e-95;
Matches 221; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MSAEVHVQVEALDTEKEMLLFLCGRDAIVDVPVNPVRDLDILRERKLSVGDIAELLY 60

DB 1 MSAEVHVQVEALDTEKEMLLFLCGRDAIVDVPVNPVRDLDILRERKLSVGDIAELLY 60

OY 61 RVRREDLKRILKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKDSVSSLIFLMKDYM 120

Db 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKIQYKOSVOGACT 180
Db 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKIQYKOSVOGACT 180
QY 181 SYRNVLOAAIOKSLKDPNSNFRMITPYAHCPDLKILNGCSM 221
Db 181 SYRNVLOAAIOKSLKDPNSNFRMITPYAHCPDLKILNGCSM 221

RESULT 2

US-09-410-194-22
; Sequence 22, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-22

Query Match 100.0%; Score 1114; DB 10; Length 221;
Best Local Similarity 100.0%; Pred. No. 7.7e-95;
Matches 221; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPNVRDLDTLRLRERKLSVGDLAELLY 60
Db 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPNVRDLDTLRLRERKLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKIQYKOSVOGACT 180
Db 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKIQYKOSVOGACT 180
QY 181 SYRNVLOAAIOKSLKDPNSNFRMITPYAHCPDLKILNGCSM 221
Db 181 SYRNVLOAAIOKSLKDPNSNFRMITPYAHCPDLKILNGCSM 221

RESULT 3

US-09-861-270-2
; Sequence 2, Application US/09861270
; Patent No. US20020052474A1
; GENERAL INFORMATION:
; APPLICANT: Sul, Hong-Bing
; Goeddel, David V.

; TITLE OF INVENTION: Regulators of Apoptosis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Science & Technology Law Group
; STREET: 75 Denise Drive
; CITY: Hillsborough
; STATE: California
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/861,270
; FILING DATE: 18-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/795,088
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-861-270-2
Query Match 90.4%; Score 1007; DB 10; Length 480;
Best Local Similarity 99.5%; Pred. No. 1.4e-84;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPNVRDLDTLRLRERKLSVGDLAELLY 60
Db 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPNVRDLDTLRLRERKLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKIQYKOSVOGACT 180
Db 121 GRGKISKEKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKIQYKOSVOGACT 180
QY 181 SYRNVLOAAIOKSLKDPNSNFRM 203
Db 181 SYRNVLOAAIOKSLKDPNSNFRM 203
RESULT 4
US-09-410-194-11
; Sequence 11, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique

```

; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-11

Query Match 90.4%; Score 1007; DB 10; Length 480;
Best Local Similarity 99.5%; Pred. No. 1.4e-84;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
QY 61 RVRREFDLLKRLKMDRKAVETHLLRNPHLVSDYRYVLMAEIGEDLDKSDVSSLIIFLMKDYM 120
DB 61 RVRREFDLLKRLKMDRKAVETHLLRNPHLVSDYRYVLMAEIGEDLDKSDVSSLIIFLMKDYM 120
QY 121 GRGKISKESKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKOKYKQSVQAGT 180
DB 121 GRGKISKESKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKOKYKQSVQAGT 180
QY 181 SYRNVLOAAIOKSLKDPSNNFRM 203
DB 181 SYRNVLOAAIOKSLKDPSNNFRM 203

RESULT 6
US-09-410-194-12
; Sequence 12, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Immler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-410-194-12

Query Match 64.0%; Score 713; DB 10; Length 481;
Best Local Similarity 74.5%; Pred. No. 1.3e-57;
Matches 146; Conservative 19; Mismatches 29; Indels 2; Gaps 2;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
DB 6 VSAEVIHQVEECLDEKEMMLFLCRDVTENLAAPNVRDLDSLRSRGOLSFPATLAELLY 65
QY 61 RVRREFDLLKRLKMDRKAVETHLLRNPHLVSDYRYVLMAEIGEDLDKSDVSSLIIFLMKDYM 120
DB 66 RVRREFDLLKRLKMDRKATVDHRLRNPHLVSDYRYVLLAEIGESLDQNDVSSVFLTRDYT 125
QY 121 GRGKISKESKSFLLDVVELEKLNVLAPDQDLLEKCLKNHRIIDLTKTKOKYKQSVQAGT 180
DB 126 GRGKIADKSKSFLLDVVELEKLNVLASDQNLLEKCLKNHRIIDLTKTKOKYQSSOGA-R 184
QY 181 SYRNVLOAAIOK-SLK 195
DB 185 SNMNTLOASLPKLSIK 200
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RESULT 7

US-09-410-194-19

; Sequence 19, Application US/09410194

; Patent No. US20020095030A1

; GENERAL INFORMATION:

; APPLICANT: Tschopp, Jurg

; APPLICANT: Thome, Margot

; APPLICANT: Burns, Kimberly

; APPLICANT: Irmier, Marten

; APPLICANT: Hahne, Michael

; APPLICANT: Schroter, Michael

; APPLICANT: Schneider, Pascal

; APPLICANT: Bodmer, Jean-Luc

; APPLICANT: Steiner, Veronique

; APPLICANT: Rimoldi, Donata

; APPLICANT: Hofmann, Kay

; APPLICANT: French, E. Lars

; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS

; FILE REFERENCE: 11141-002001

; CURRENT APPLICATION NUMBER: US/09/410,194

; CURRENT FILING DATE: 1999-09-30

; PRIOR APPLICATION NUMBER: PCT/EP98/01857

; PRIOR FILING DATE: 1998-03-31

; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2

; PRIOR FILING DATE: 1997-04-01

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 19

; LENGTH: 481

; TYPE: PRT

; ORGANISM: Mus musculus

US-09-410-194-19

Query Match 64.0%; Score 713; DB 10; Length 481;
Best Local Similarity 74.5%; Pred. No. 1.3e-57;
Matches 146; Conservative 19; Mismatches 29; Indels 2; Gaps 2;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRLLDLRLRGRKLSVGDLAELLY 60

DB 6 VSAEVIHQVEECLDEDEKEMLLFLCRDVTENLAAPNVRLLDLSLSEKQSLSFATLAELLY 65

QY 61 RVRRFDLLKRLKMDKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIPLMKDYM 120

DB 66 RVRRFDLLKRLKMDKAVETHLLRNPHLVSDYRVLMMAEIGESLDQNDVSSLVFLTRDYT 125

QY 121 GRGKISKESKSFLLDVVELEKLNVLAPDQLDLEKCLNKHRIIDLTKIKYKQSVGAGT 180

DB 126 GRGKIADKSFLLDVVELEKLNVLASDQLNLEKCLNKHRIIDLTKIKYKQTSQGA-R 184

QY 181 SYRNVLOAAIQK-SLK 195

DB 185 SNMNTLQASLPKLSIK 200

RESULT 8

US-10-005-921-2

; Sequence 2, Application US/10005921

; Patent No. US20020174450A1

; GENERAL INFORMATION:

; APPLICANT: Allen, Keith D.

; APPLICANT: Leviken, Michael W.

; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CASH GENE

; FILE REFERENCE: R-714

; CURRENT APPLICATION NUMBER: US/10/005,921

; CURRENT FILING DATE: 2001-12-04

; PRIOR APPLICATION NUMBER: US 60/254,902

; PRIOR FILING DATE: 2000-12-11

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 484

; TYPE: PRT

; ORGANISM: Mus musculus

US-10-005-921-2

Query Match 63.0%; Score 701.5; DB 9; Length 484;

Best Local Similarity 73.4%; Pred. No. 1.4e-56;

Matches 146; Conservative 19; Mismatches 29; Indels 5; Gaps 3;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRLLDLRLRGRKLSVGDLAELLY 60

DB 6 VSAEVIHQVEECLDEDEKEMLLFLCRDVTENLAAPNVRLLDLSLSEKQSLSFATLAELLY 65

QY 61 RVRRFDLLKRLKMDKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIPL--MK 117

DB 66 RVRRFDLLKRLKMDKAVETHLLRNPHLVSDYRVLMMAEIGESLDQNDVSSLVFLTRITR 125

QY 118 DYMGKISKESKSFLLDVVELEKLNVLAPDQLDLEKCLNKHRIIDLTKIKYKQSVOG 177

DB 126 DYTGKGIADKSFLLDVVELEKLNVLASDQLNLEKCLNKHRIIDLTKIKYKQTSOG 185

QY 178 ACTSYRNVLOAAIQK-SLK 195

DB 186 A-RSNMNTLQASLPKLSIK 203

RESULT 9

US-09-864-761-36370

; Sequence 36370, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL

; FILE REFERENCE: Aemica-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

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[illegible]

FOOTNOTES / NOTES

FOOTNOTES / NOTES

```

; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Humanes herpesvirus 8
; US-09-410-194-2
;
Query Match      21.0%; Score 234; DB 10; Length 169;
Best Local Similarity 34.3%; Pred. No. 2.9e-14;
Matches 58; Conservative 39; Mismatches 64; Indels 8; Gaps 3;
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QY 4 EVIHVVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLIDLIR---ERGLSVGDLAELLY 60
Db 5 EVLCEVARKLGTDREVVLFL---LNVFIPQPTLAQIGALRAKKEGRUTFPPLAECLF 61
;
QY 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIIFLMKDYM 120
Db 62 RAGRRDLLRLDLHDPFLEHLAGTMSYFSPYQLTVLHVGDGELCARDIRSLIFLSKDTI 121
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QY 121 GRCKISKESFDLVVVELEKLNVLVAPDQDLLEKCLKNTHRIDLKTKIQ 169
Db 122 --GSRSTPOTFLHWVYCMENLDLGGTVDVDMLSMLRSRVDLQROVQ 168
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RESULT 14
US-09-410-194-5
; Sequence 5, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Molluscum contagiosum virus subtype 1
; US-09-410-194-5
;
Query Match      17.8%; Score 198.5; DB 10; Length 169;
Best Local Similarity 33.5%; Pred. No. 5.2e-11;
Matches 54; Conservative 35; Mismatches 63; Indels 9; Gaps 6;
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QY 7 HOVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLIDLIRERGLSVGDLAELLYRVRRFD 66
Db 9 HLLEE--LDSHEDSLLLFLCHDAAPGCT--TVTQALCSLQQRKLTLAALVEMLYLVLRMD 65
;
QY 67 LLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSL--IFL--MKDYMG 123
Db 66 LLASRFLSKSKEGAEQ--LLGTSELTTRYKLMVVCVGEELDSSELRLALRLFACNLNLSLTA 123
;
QY 124 KISKESFDLVVVELEKLNVLVAPDQDLLEKCLKNTHRIDL 164
Db 124 -LSESSRFVELVLALENVGLVSPSSVSLADMLRLTLRLDLD 163
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RESULT 15
US-09-410-194-20
; Sequence 20, Application US/09410194
; Patent No. US20020095030A1
;
Query Match      21.0%; Score 234; DB 10; Length 169;
Best Local Similarity 34.3%; Pred. No. 2.9e-14;
Matches 58; Conservative 39; Mismatches 64; Indels 8; Gaps 3;
;
QY 4 EVIHVVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLIDLIR---ERGLSVGDLAELLY 60
Db 5 EVLCEVARKLGTDREVVLFL---LNVFIPQPTLAQIGALRAKKEGRUTFPPLAECLF 61
;
QY 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIIFLMKDYM 120
Db 62 RAGRRDLLRLDLHDPFLEHLAGTMSYFSPYQLTVLHVGDGELCARDIRSLIFLSKDTI 121
;
QY 121 GRCKISKESFDLVVVELEKLNVLVAPDQDLLEKCLKNTHRIDLKTKIQ 169
Db 122 --GSRSTPOTFLHWVYCMENLDLGGTVDVDMLSMLRSRVDLQROVQ 168
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RESULT 13
US-09-410-194-23
; Sequence 23, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Human herpesvirus 8
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US-09-410-194-23
Query Match      21.0%; Score 234; DB 10; Length 188;
Best Local Similarity 34.3%; Pred. No. 3.3e-14;
Matches 58; Conservative 39; Mismatches 64; Indels 8; Gaps 3;
;
QY 4 EVIHVVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLIDLIR---ERGLSVGDLAELLY 60
Db 5 EVLCEVARKLGTDREVVLFL---LNVFIPQPTLAQIGALRAKKEGRUTFPPLAECLF 61
;
QY 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIIFLMKDYM 120
Db 62 RAGRRDLLRLDLHDPFLEHLAGTMSYFSPYQLTVLHVGDGELCARDIRSLIFLSKDTI 121
;
QY 121 GRCKISKESFDLVVVELEKLNVLVAPDQDLLEKCLKNTHRIDLKTKIQ 169
Db 122 --GSRSTPOTFLHWVYCMENLDLGGTVDVDMLSMLRSRVDLQROVQ 168
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RESULT 14
US-09-410-194-5
; Sequence 5, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmier, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Molluscum contagiosum virus subtype 1
; US-09-410-194-5
;
Query Match      17.8%; Score 198.5; DB 10; Length 169;
Best Local Similarity 33.5%; Pred. No. 5.2e-11;
Matches 54; Conservative 35; Mismatches 63; Indels 9; Gaps 6;
;
QY 7 HOVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLIDLIRERGLSVGDLAELLYRVRRFD 66
Db 9 HLLEE--LDSHEDSLLLFLCHDAAPGCT--TVTQALCSLQQRKLTLAALVEMLYLVLRMD 65
;
QY 67 LLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSL--IFL--MKDYMG 123
Db 66 LLASRFLSKSKEGAEQ--LLGTSELTTRYKLMVVCVGEELDSSELRLALRLFACNLNLSLTA 123
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QY 124 KISKESFDLVVVELEKLNVLVAPDQDLLEKCLKNTHRIDL 164
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RESULT 15
US-09-410-194-20
; Sequence 20, Application US/09410194
; Patent No. US20020095030A1
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Search completed: April 12, 2003, 22:40:51
Job time : 11.7732 secs

GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: April 12, 2003, 20:50:13 ; Search time 9.14265 Seconds
(without alignments)
711.223 Million cell updates/sec

Title: US-09-380-546A-4
Perfect score: 1114
Sequence: 1 MSAEVIHQVEEALDTDEKEM.....RMTPTAHCPDLKILNGCSM 221

Scoring table: BLOSUM62

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

- Database : Issued Patents:AA:*
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2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep.*
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6: /cgn2_6/ptodata/1/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB	ID	Description
1	1114	100.0	221	4	US-09-382-155-17		Sequence 17, Appl
2	1114	100.0	221	4	US-09-074-044A-17		Sequence 17, Appl
3	1015	91.1	445	3	US-08-859-167-2		Sequence 2, Appl
4	1015	91.1	445	3	US-09-109-273-2		Sequence 2, Appl
5	1015	91.1	445	4	US-09-276-993-2		Sequence 2, Appl
6	1007	90.4	480	4	US-08-795-088A-2		Sequence 2, Appl
7	987	88.6	480	4	US-09-069-023-34		Sequence 34, Appl
8	417	37.4	84	4	US-09-074-044A-2		Sequence 2, Appl
9	403	36.2	84	4	US-09-382-155-2		Sequence 2, Appl
10	384	34.5	78	4	US-09-382-155-1		Sequence 1, Appl
11	384	34.5	78	4	US-09-074-044A-1		Sequence 1, Appl
12	218.5	19.6	241	4	US-09-382-155-21		Sequence 21, Appl
13	218.5	19.6	241	4	US-09-074-044A-21		Sequence 21, Appl
14	195	17.3	220	2	US-08-807-200-2		Sequence 2, Appl
15	195	17.3	220	4	US-09-001-777-2		Sequence 2, Appl
16	192.5	17.3	235	4	US-08-983-502-5		Sequence 5, Appl
17	192.5	17.3	235	5	PCT-US96-10521-5		Sequence 5, Appl
18	192.5	17.3	257	1	US-08-618-164-2		Sequence 2, Appl
19	192.5	17.3	277	4	US-08-983-502-8		Sequence 8, Appl
20	192.5	17.3	277	5	PCT-US96-10521-8		Sequence 8, Appl
	192.5	17.3	479	2	US-08-807-200-12		Sequence 12, Appl
	192.5	17.3	479	3	US-08-852-782-3		Sequence 3, Appl
	192.5	17.3	479	4	US-09-001-777-12		Sequence 12, Appl
	192.5	17.3	479	4	US-08-983-502-7		Sequence 7, Appl
	192.5	17.3	479	5	PCT-US96-10521-7		Sequence 7, Appl
	192.5	17.3	261	4	US-08-983-502-25		Sequence 25, Appl
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28	190	17.1	464	4	US-08-983-502-18	Sequence 18, Appl
29	190	17.1	464	5	PCT-US96-10521-18	Sequence 18, Appl
30	187.5	16.8	479	4	US-09-382-155-28	Sequence 28, Appl
31	187.5	16.8	479	4	US-09-074-044A-28	Sequence 28, Appl
32	187.5	16.8	479	4	US-09-074-044A-27	Sequence 27, Appl
33	187	16.8	180	4	US-09-382-155-18	Sequence 18, Appl
34	187	16.8	180	4	US-09-074-044A-18	Sequence 18, Appl
35	184.5	16.6	479	4	US-09-074-044A-26	Sequence 26, Appl
36	182.5	16.4	479	4	US-09-382-155-27	Sequence 27, Appl
37	176.5	15.8	479	4	US-09-382-155-26	Sequence 26, Appl
38	173	15.5	139	4	US-09-382-155-20	Sequence 20, Appl
39	173	15.5	139	4	US-09-074-044A-20	Sequence 20, Appl
40	170.5	15.3	171	4	US-09-074-044A-23	Sequence 23, Appl
41	170.5	15.3	250	4	US-09-187-789-48	Sequence 48, Appl
42	170.5	15.3	250	4	US-09-139-600-43	Sequence 43, Appl
43	168.5	15.1	171	4	US-09-382-155-23	Sequence 23, Appl
44	168	15.1	476	4	US-09-561-756-27	Sequence 27, Appl
45	168	15.1	476	4	US-09-227-721-27	Sequence 27, Appl

ALIGNMENTS

RESULT 1
US-09-382-155-17
; Sequence 17, Application US/09382155B
; Patent No. 6160095
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY
; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NF-kB, JNK AND APOPTOSIS
; FILE REFERENCE: CHAUDHARY
; CURRENT APPLICATION NUMBER: US/09/382,155B
; CURRENT FILING DATE: 1999-08-24
; EARLIER APPLICATION NUMBER: 09/074,044
; EARLIER FILING DATE: 1998-05-07
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 17
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-382-155-17

Query Match	100.0%	Score 1114;	DB 4;	Length 221;
Best Local Similarity	100.0%	Pred. No. 6.8e-105;		
Matches 221;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPVNRDLDLTLRERKGLSVGDLAELLY 60		
Db	1	MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPVNRDLDLTLRERKGLSVGDLAELLY 60		
QY	61	RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120		
Db	61	RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMKDYM 120		
QY	121	GRGKISKESFLLDVVVELEKLNLPADQDLLEKCLKNHRIHDLTKTKIOYKQSVGAGT 180		
Db	121	GRGKISKESFLLDVVVELEKLNLPADQDLLEKCLKNHRIHDLTKTKIOYKQSVGAGT 180		
QY	181	SYRNVLQAAIQKSLKDPNSNFRMITPTAHCPDLKILNGCSM 221		
Db	181	SYRNVLQAAIQKSLKDPNSNFRMITPTAHCPDLKILNGCSM 221		

RESULT 2
US-09-074-044A-17
; Sequence 17, Application US/09074044A
; Patent No. 6207458
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY

;; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NK-KB, JNK AND
;; TITLE OF INVENTION: APOPTOSIS PATHWAYS AND METHODS OF USING THE SAME
;; NUMBER OF SEQUENCES: 28
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
;; STREET: 2405 GRAND BLVD., SUITE 400
;; CITY: KANSAS CITY
;; STATE: MISSOURI
;; COUNTRY: USA
;; ZIP: 64108
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/074,044A
;; FILING DATE:
;;
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: COLLINS, JOHN M.
;; REGISTRATION NUMBER: 26,262
;; REFERENCE/DOCKET NUMBER: 26588
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 816/474-9050
;; TELEFAX: 816/474-9057
;; INFORMATION FOR SEQ ID NO: 17:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 221 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: not relevant
;; MOLECULE TYPE: protein
;; ORIGINAL SOURCE:
;; ORGANISM: Homo sapiens
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;; US-09-074-044A-17
;;
Query Match 100.0%; Score 1114; DB 4; Length 221;
Best Local Similarity 100.0%; Pred. No. 6.8e-105;
Matches 221; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVSGDLAELLY 60
Db 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVSGDLAELLY 60
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QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMDYDYM 120
Db 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMDYDYM 120
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QY 121 GRGKISKEKSFDLVVELEKLNVLVAPDQLLEKLNHRIIDLTKTKIQYKQSVQAGT 180
Db 121 GRGKISKEKSFDLVVELEKLNVLVAPDQLLEKLNHRIIDLTKTKIQYKQSVQAGT 180
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QY 181 SYRNLQAQIAQKSLKDFSNFRMITPYAHCPDLKILGNCM 221
Db 181 SYRNLQAQIAQKSLKDFSNFRMITPYAHCPDLKILGNCM 221
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RESULT 3
US-08-859-167-2
Sequence 2, Application US/08859167
Patent No. 6037461
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
TITLE OF INVENTION: OF MAKING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6037461rlis
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
;;
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: WINDOWS
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,273

;; STATE: PA
;; COUNTRY: USA
;; ZIP: 19103
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: WINDOWS
;; SOFTWARE: WordPerfect
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/859,167
;; FILING DATE:
;;
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: DeLuca, Mark
;; REGISTRATION NUMBER: 33,229
;; REFERENCE/DOCKET NUMBER: TJU-
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (215) 568-3100
;; TELEFAX: (215) 568-3439
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 445 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;;
;; US-08-859-167-2
;;
Query Match 91.1%; Score 1015; DB 3; Length 445;
Best Local Similarity 94.5%; Pred. No. 1.8e-94;
Matches 207; Conservative 1; Mismatches 11; Indels 0; Gaps 0;
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QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVSGDLAELLY 60
Db 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVSGDLAELLY 60
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QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMDYDYM 120
Db 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIFLMDYDYM 120
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QY 121 GRGKISKEKSFDLVVELEKLNVLVAPDQLLEKLNHRIIDLTKTKIQYKQSVQAGT 180
Db 121 GRGKISKEKSFDLVVELEKLNVLVAPDQLLEKLNHRIIDLTKTKIQYKQSVQAGT 180
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QY 181 SYRNLQAQIAQKSLKDFSNFRMITPYAHCPDLKILGNC 219
Db 181 SYRNLQAQIAQKSLKDFSNFRMITPYAHCPDLKILGNC 219
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RESULT 4
US-09-109-273-2
Sequence 2, Application US/09109273
Patent No. 6063760
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
TITLE OF INVENTION: OF MAKING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6063760rlis
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
;;
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: WINDOWS
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,273

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; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-109-273-2

Query Match 91.1%; Score 1015; DB 3; Length 445;
Best Local Similarity 94.5%; Pred. No. 1.8e-94;
Matches 207; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDDLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDDLRLRERKLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLYSDYRVLMMAEIGEDLDKSDVSSLIFLKKDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLYSDYRVLMMAEIGEDLDKSDVSSLIFLKKDYM 120
QY 121 GRGKISKEKSFLLVVELEKLNVLVAPDQLDLLEKCLKNHRIIDLTKTKIQYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLVVELEKLNVLVAPDQLDLLEKCLKNHRIIDLTKTKIQYKOSVOGAGT 180
QY 181 SYRNLQAALQKSLKDPSSNNFRMITPYAHCPDLKILGNC 219
DB 181 SYRNLQAALQKSLKDPSSNNFRSIPEERYKMKSKPLGIC 219

RESULT 5
US-09-276-993-2
; Sequence 2, Application US/09276993
; Patent No. 6207801
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6207801ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/276,993
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark

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; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-276-993-2

Query Match 91.1%; Score 1015; DB 4; Length 445;
Best Local Similarity 94.5%; Pred. No. 1.8e-94;
Matches 207; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDDLRLRERKLSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPNNVRDLDDLRLRERKLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLYSDYRVLMMAEIGEDLDKSDVSSLIFLKKDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLYSDYRVLMMAEIGEDLDKSDVSSLIFLKKDYM 120
QY 121 GRGKISKEKSFLLVVELEKLNVLVAPDQLDLLEKCLKNHRIIDLTKTKIQYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLVVELEKLNVLVAPDQLDLLEKCLKNHRIIDLTKTKIQYKOSVOGAGT 180
QY 181 SYRNLQAALQKSLKDPSSNNFRMITPYAHCPDLKILGNC 219
DB 181 SYRNLQAALQKSLKDPSSNNFRSIPEERYKMKSKPLGIC 219

RESULT 6
US-08-795-088A-2
; Sequence 2, Application US/08795088A
; Patent No. 6242569
; GENERAL INFORMATION:
; APPLICANT: Sul, Hong-Bing
; APPLICANT: Goeddel, David V.
; TITLE OF INVENTION: Regulators of Apoptosis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Science & Technology Law Group
; STREET: 75 Denise Drive
; CITY: Hillsborough
; STATE: California
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,088A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A.
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide

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US-08-795-088A-2

Query Match 90.4%; Score 1007; DB 4; Length 480;
Best Local Similarity 99.5%; Pred. No. 1.3e-93;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLILRERKLSVGDGLAELLY 60

QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120

QY 121 GRGKISKEKSFLLVVELEKLNVLAPDQLLEKLNHRIIDLTKTIQKYKQSVQAGT 180
DB 121 GRGKISKEKSFLLVVELEKLNVLAPDQLLEKLNHRIIDLTKTIQKYKQSVQAGT 180

QY 181 SYRNVLAQAIOKSLKDPSSNFRM 203
DB 181 SYRNVLAQAIOKSLKDPSSNFRM 203

RESULT 7

US-09-069-023-34
Sequence 34, Application US/09069023A
Patent No. 6348573
GENERAL INFORMATION:
APPLICANT: Nunez, Gabriel
APPLICANT: Inohara, Naohiro
APPLICANT: Koseki, Takeyoshi
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
FILE REFERENCE: UN-03333
CURRENT APPLICATION NUMBER: US/09/069,023A
CURRENT FILING DATE: 1998-04-27
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 34
LENGTH: 480
TYPE: PRT
ORGANISM: Homo sapiens
US-09-069-023-34

Query Match 88.6%; Score 987; DB 4; Length 480;
Best Local Similarity 98.0%; Pred. No. 1.3e-91;
Matches 199; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLILRERKLSVGDGLAELLY 60
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QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120

QY 121 GRGKISKEKSFLLVVELEKLNVLAPDQLLEKLNHRIIDLTKTIQKYKQSVQAGT 180
DB 121 GRGKISKEKSFLLVVELEKLNVLAPDQLLEKLNHRIIDLTKTIQKYKQSVQAGT 180

QY 181 SYRNVLAQAIOKSLKDPSSNFRM 203
DB 181 SYRNVLAQAIOKSLKDPSSNFRM 203

RESULT 8

US-09-074-044A-2
Sequence 2, Application US/09074044A
Patent No. 6207458
GENERAL INFORMATION:
APPLICANT: CHAUDHARY, PREET M
APPLICANT: HOOD, LEROY
TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NK-KB, JNK AND APOPTOSIS

TITLE OF INVENTION: APOPTOSIS PATHWAYS AND METHODS OF USING THE SAME
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
STREET: 2405 GRAND BLVD., SUITE 400
CITY: KANSAS CITY
STATE: MISSOURI
COUNTRY: USA
ZIP: 64108
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/074,044A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: COLLINS, JOHN M
REGISTRATION NUMBER: 26,262
REFERENCE/DOCKET NUMBER: 26588
TELECOMMUNICATION INFORMATION:
TELEPHONE: 816/474-9050
TELEFAX: 816/474-9057
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 84 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: not relevant
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-09-074-044A-2

Query Match 37.4%; Score 417; DB 4; Length 84;
Best Local Similarity 100.0%; Pred. No. 4.6e-35;
Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 90 VSDYRVLMAEIGEDLDKSDVSSLIPLMKDYMGRGKISKEKSFLLVVELEKLNVLAPDQL 149
DB 1 VSDYRVLMAEIGEDLDKSDVSSLIPLMKDYMGRGKISKEKSFLLVVELEKLNVLAPDQL 60

QY 150 DLLEKCLKNHRIIDLTKTIQKYKQ 173
DB 61 DLLEKCLKNHRIIDLTKTIQKYKQ 84

RESULT 9
US-09-382-155-2
Sequence 2, Application US/09382155B
Patent No. 6160095
GENERAL INFORMATION:
APPLICANT: CHAUDHARY, PREET M
APPLICANT: HOOD, LEROY
TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NF-KB, JNK AND APOPTOSIS
TITLE OF INVENTION: PATHWAYS AND METHODS OF USING THE SAME
FILE REFERENCE: Chaudhary
CURRENT APPLICATION NUMBER: US/09/382,155B
CURRENT FILING DATE: 1999-08-24
EARLIER APPLICATION NUMBER: 09/074,044
EARLIER FILING DATE: 1998-05-07
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 84
TYPE: PRT
ORGANISM: HUMAN HERPESVIRUS 8
US-09-382-155-2

Query Match 36.2%; Score 403; DB 4; Length 84;

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Job time : 10.1427 secs

GenCore version 5.1.4.p5_4578
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OM nucleic - nucleic search, using sw model

Run on: April 12, 2003, 20:46:38 ; Search time 84.2937 Seconds
(without alignments)
14287.562 Million cell updates/sec

Title: US-09-380-546A-3
Perfect score: 1373
Sequence: 1 gacgtcagggcattacaat.....aaaaaaaaaaaaaaaaaaaa 1373

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications, NA:*

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14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1025.2	74.7	2045	10 US-09-861-270-1	Sequence 1, Appl
2	975.8	71.1	2143	10 US-09-410-194-16	Sequence 16, Appl
3	858.2	62.5	1190	10 US-09-410-194-14	Sequence 14, Appl
4	373.8	27.2	2452	10 US-09-410-194-18	Sequence 18, Appl
c 5	354.2	25.8	490	10 US-09-833-381-436	Sequence 436, Appl
6	337.8	24.6	2770	9 US-10-005-921-1	Sequence 1, Appl
c 7	276	20.1	437	10 US-09-864-761-3120	Sequence 3120, Ap
c 8	177	12.9	177	10 US-09-864-761-19899	Sequence 19899, A
c 9	90	6.6	277	10 US-09-960-352-12673	Sequence 12673, A
10	88	6.4	200	9 US-10-005-921-4	Sequence 4, Appl
c 11	80.2	5.8	416	10 US-09-960-352-4584	Sequence 4584, Ap
c 12	79.4	5.8	312	10 US-09-960-352-8414	Sequence 8414, Ap
c 13	79.4	5.8	375	10 US-09-960-352-15014	Sequence 15014, A
c 14	79.4	5.8	424	10 US-09-960-352-11218	Sequence 11218, A
c 15	79.2	5.8	272	10 US-09-960-352-6986	Sequence 6986, Ap
c 16	78	5.7	393	10 US-09-960-352-4582	Sequence 4582, Ap
c 17	77.4	5.6	408	10 US-09-960-352-6263	Sequence 6263, Ap
c 18	77.2	5.6	373	10 US-09-960-352-836	Sequence 836, Appl
19	77.2	5.6	3899	10 US-09-745-763-107	Sequence 107, Appl

20	76.4	5.6	312	10 US-09-960-352-8414	Sequence 8414, Ap
21	76.4	5.6	364	10 US-09-960-352-9419	Sequence 9419, Ap
c 22	76	5.5	380	10 US-09-960-352-9335	Sequence 9335, Ap
c 23	75.8	5.5	239	10 US-09-960-352-11438	Sequence 11438, A
24	75.8	5.5	279	9 US-10-015-219-538	Sequence 538, Appl
25	75.8	5.5	279	10 US-09-777-564-538	Sequence 538, Appl
26	75.8	5.5	1473	9 US-09-796-753-47	Sequence 47, Appl
27	75.8	5.5	2873	10 US-09-925-300-287	Sequence 287, Appl
28	75.6	5.5	2323	9 US-09-809-391-24	Sequence 24, Appl
29	75.6	5.5	2492	9 US-09-798-889-43	Sequence 43, Appl
30	75.2	5.5	233	9 US-10-091-483-110	Sequence 110, Appl
31	75.2	5.5	233	10 US-09-764-846-110	Sequence 110, Appl
c 32	75.2	5.5	425	10 US-09-834-975-451	Sequence 451, Appl
33	75.2	5.5	664	10 US-09-739-254-66	Sequence 66, Appl
34	75.2	5.5	664	10 US-09-904-615-66	Sequence 66, Appl
c 35	75	5.5	419	10 US-09-960-352-11234	Sequence 11234, A
36	75	5.5	1486	9 US-10-012-542-73	Sequence 73, Appl
37	75	5.5	1554	9 US-09-822-846-344	Sequence 344, Appl
38	75	5.5	1686	10 US-09-745-763-86	Sequence 86, Appl
39	74.8	5.4	317	10 US-09-960-352-3366	Sequence 3366, Appl
c 40	74.8	5.4	382	10 US-09-960-352-3209	Sequence 3209, Ap
41	74.8	5.4	1046	10 US-09-925-297-307	Sequence 307, Appl
42	74.8	5.4	2270	9 US-10-042-894A-24	Sequence 24, Appl
43	74.8	5.4	3449	9 US-09-925-299-225	Sequence 225, Appl
44	74.8	5.4	3449	10 US-09-925-299-225	Sequence 225, Appl
45	74.6	5.4	370	10 US-09-960-352-6169	Sequence 6169, Ap

ALIGNMENTS

RESULT 1
US-09-861-270-1
; Sequence 1, Application US/09861270
; Patent No. US20020052474A1
; GENERAL INFORMATION:
; APPLICANT: Sul, Hong-Bing
; TITLE OF INVENTION: Regulators of Apoptosis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Science & Technology Law Group
; STREET: 75 Denise Drive
; CITY: Hillsborough
; STATE: California
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/861,270
; FILING DATE: 18-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/795,088
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2045 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 1:									
US-09-861-270-1									
Query Match 74.7%; Score 1025.2; DB 10; Length 2045;									
Best Local Similarity 99.6%; Pred. No. 2.9e-202;									
Matches 1038; Conservative 0; Mismatches 3; Indels 1; Gaps 1;									
Qy	48	GCAGCTTGAGCTCACCACGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGGTGG	107						
Db	78	GAGAGCTTGAGCTCACCACGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGGTGG	137						
Qy	108	GGACTCGGCTTCACACAGTGAAGTCCGCTATTGGACTTTTGTCCAGTGAAGCTGAGAC	167						
Db	138	GGACTCGGCTTCACACAGTGAAGTCCGCTATTGGACTTTTGTCCAGTGAAGCTGAGAC	197						
Qy	168	AACAAGACACAGGAGGAGGTGTAGAGAGAGCGCCGGAACAGAGGATCGGCCAGCAC	227						
Db	198	AACAAGACACAGGAGGAGGTGTAGAGAGAGCGCCGGAACAGAGGATCGGCCAGCAC	257						
Qy	228	CAAGTCGCTTCCAGGCTTTCGCTTTCTTTGCTCCATCTTGGTGGCGCTTCCCGGCT	287						
Db	258	CAAGTCGCTTCCAGGCTTTCGCTTTCTTTGCTCCATCTTGGTGGCGCTTCCCGGCT	317						
Qy	288	CTAGGGAGGCGAAGGCTGAGTGGCAGCGCAGGAGAGTCCGGCCGCGACAGGAGAACT	347						
Db	318	CTAGGGAGGCGAAGGCTGAGTGGCAGCGCAGGAGAGTCCGGCCGCGACAGGAGAACT	377						
Qy	348	CCCCCACTGGAAGGATTCGAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGC	407						
Db	378	CCCCCACTGGAAGGATTCGAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGC	437						
Qy	408	CTGCTGCTTTCCTGTTGACTGGCCGCGAGCTGTACTGCAAGACCCCTGTGAGCTTCCCT	467						
Db	438	CTGCTGCTTTCCTGTTGACTGGCCGCGAGCTGTACTGCAAGACCCCTGTGAGCTTCCCT	496						
Qy	468	AGTCTAAGAGTAGGATGCTCTGAAGTCATCCATCAGGTTGAAGAGCACTTGTATACAG	527						
Db	497	AGTCTAAGAGTAGGATGCTCTGAAGTCATCCATCAGGTTGAAGAGCACTTGTATACAG	556						
Qy	528	ATGAGAGGAGATGCTCTCTTTTGTGCGGGAGTGTCTATAGATGCTGTTCCACCTA	587						
Db	557	ATGAGAGGAGATGCTCTCTTTTGTGCGGGAGTGTCTATAGATGCTGTTCCACCTA	616						
Qy	588	ATGTCAGGAGCTTCTGGATATTTTACGGGAAGAGTAAAGTCTGCTCGGGGACTTGG	647						
Db	617	ATGTCAGGAGCTTCTGGATATTTTACGGGAAGAGTAAAGTCTGCTCGGGGACTTGG	676						
Qy	648	CTGAACCTGCTACAGAGTAGGCGATTTGACCTGCTCAACAGTATCTTGAAGATGACA	707						
Db	677	CTGAACCTGCTACAGAGTAGGCGATTTGACCTGCTCAACAGTATCTTGAAGATGACA	736						
Qy	708	GAAAGCTGTGGAGACCCCTGCTCAGGAACCTCAGTGTGTTTCGAGCTATAGATGC	767						
Db	737	GAAAGCTGTGGAGACCCCTGCTCAGGAACCTCAGTGTGTTTCGAGCTATAGATGC	796						
Qy	768	TGATGGCAGAGATTTGGAGATTTGGATAAATCTGATGTCTCTCATTAATTTTCTCA	827						
Db	797	TGATGGCAGAGATTTGGAGATTTGGATAAATCTGATGTCTCTCATTAATTTTCTCA	856						
Qy	828	TGAAGGATTAATGGCGGAGGCAAGATAAGCAAGGAGAGAGGTTCTTGGACCTTGTGG	887						
Db	857	TGAAGGATTAATGGCGGAGGCAAGATAAGCAAGGAGAGAGGTTCTTGGACCTTGTGG	916						
Qy	888	TTGAGTGTGAGAACTAAATTTGTTTCCCGAGATCACTGGATTTATTAGAAAATGCC	947						
Db	917	TTGAGTGTGAGAACTAAATTTGTTTCCCGAGATCACTGGATTTATTAGAAAATGCC	976						
Qy	948	TAAAGAACATCCAGAAATAGACCTGAAGACAAAATCCAGAACTACAAGCAGTCTGTC	1007						
Db	977	TAAAGAACATCCAGAAATAGACCTGAAGACAAAATCCAGAACTACAAGCAGTCTGTC	1036						
Qy	1008	AAGGACGAGGACAGGTTTACAGGAATGTTCTCCAGCAGCAATCCAAAGAGTCTCAAGG	1067						

Db	1037	AAGGACGAGGACAGTGTACAGGAATGTTCTCCACAGCAATCCAAAGAGTCTCAAGG	1096						
Qy	1068	ATCCTTCAAAATAACTTCAGGAT	1089						
Db	1097	ATCCTTCAAAATAACTTCAGGCT	1118						
RESULT 2 US-09-410-194-16									
US-09-410-194-16									
; Sequence 16, Application US/09410194									
; Patent No. US20020095030A1									
GENERAL INFORMATION:									
; APPLICANT: Tschopp, Juerg									
; APPLICANT: Thome, Margot									
; APPLICANT: Burns, Kimberly									
; APPLICANT: Irmier, Marten									
; APPLICANT: Hahne, Michael									
; APPLICANT: Schroter, Michael									
; APPLICANT: Schneider, Pascal									
; APPLICANT: Bodmer, Jean- Luc									
; APPLICANT: Steiner, Veronique									
; APPLICANT: Rimoldi, Donata									
; APPLICANT: Hofmann, Kay									
; APPLICANT: French, E. Lars									
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS									
; FILE REFERENCE: 11141-002001									
; CURRENT APPLICATION NUMBER: US/09/410,194									
; CURRENT FILING DATE: 1999-09-30									
; PRIOR APPLICATION NUMBER: PCT/EP98/01857									
; PRIOR FILING DATE: 1998-03-31									
; PRIOR FILING DATE: 1997-04-01									
; NUMBER OF SEQ ID NOS: 27									
; SOFTWARE: FastSeq for Windows Version 4.0									
; SEQ ID NO 16									
; LENGTH: 2143									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
; FEATURE:									
; NAME/KEY: CDS									
; LOCATION: (383)...(1822)									
US-09-410-194-16									
Query Match 71.1%; Score 975.8; DB 10; Length 2143;									
Best Local Similarity 99.7%; Pred. No. 4.6e-192;									
Matches 988; Conservative 0; Mismatches 2; Indels 1; Gaps 1;									
Qy	99	TAGGGTGGGAGCTCGGCCTCACACAGTGAAGTCCGGCTATTGGACTTTTGTCCAGTGAC	158						
Db	1	TAGGGTGGGAGCTCGGCCTCACACAGTGAAGTCCGGCTATTGGACTTTTGTCCAGTGAC	60						
Qy	159	AGCTGAGACAAACAGGACGAGGAGGTGTAGGAGAAAGCGCGCAACAGCGATC	218						
Db	61	AGCTGAGACAAACAGGACGAGGAGGTGTAGGAGAAAGCGCGCAACAGCGATC	120						
Qy	219	GCCAGCACCAAGTCCGCTTCCAGGCTTTCGGTTTCTTTGCCCTCCATCTTTGGTGGCCCT	278						
Db	121	GCCAGCACCAAGTCCGCTTCCAGGCTTTCGGTTTCTTTGCCCTCCATCTTTGGTGGCCCT	180						
Qy	279	TCCGGGGTCTAGGGAGCGAAGGCTGAGTGGCAGGCGGAGAGAGTCCGGCGCGACA	338						
Db	181	TCCGGGGTCTAGGGAGCGAAGGCTGAGTGGCAGGCGGAGAGAGTCCGGCGCGACA	240						
Qy	339	GGAGGACTCCCGACCTGGAAAGGATTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAA	398						
Db	241	GGAGGACTCCCGACCTGGAAAGGATTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAA	300						
Qy	399	GTTGACTGCTGCTGGCTTTCTCTGACTGGCCCGGAGCTGTACTGCAAGACCTTTGTG	458						
Db	301	GTTGACTGCTGCTGGCTTT-CTGTTGACTGGCCCGGAGCTGTACTGCAAGACCTTTGTG	359						
Qy	459	AGCTTCCCTAGCTTAAGAGTAGGATGTCTGCTGAAGTCACTCCATCAGGTTTGAAGACAC	518						

Db 360 AGCTTCCTAGTCTAAGAGTAGGATGCTGCTGAAGTCATCCATCAGGTTGAAGAGCAC 419
QY 519 TTGATACAGATGAGAGGAGATGCTGCTCTTTTGTGCGGGGATGCTGCTATAGATGTGG 578
Db 420 TTGATACAGATGAGAGGAGATGCTGCTCTTTTGTGCGGGGATGCTGCTATAGATGTGG 479
QY 579 TTCCACTTAATGTCAGGGACCTTCTGGATATTTTACGGGAAAGAGGTAAGCTGCTGTCG 638
Db 480 TTCCACTTAATGTCAGGGACCTTCTGGATATTTTACGGGAAAGAGGTAAGCTGCTGTCG 539
QY 639 GGGACTTGGCTGAACCTGCTCTACAGAGTAGGCGGATTTGACCTGCTCAACAGTATCTTGA 698
Db 540 GGGACTTGGCTGAACCTGCTCTACAGAGTAGGCGGATTTGACCTGCTCAACAGTATCTTGA 599
QY 699 AGATGACAGAAAAGCTGTGGAGACCCACCTGCTCAGGAACCCCTCACCCTGTTTTCGGACT 758
Db 600 AGATGACAGAAAAGCTGTGGAGACCCACCTGCTCAGGAACCCCTCACCCTGTTTTCGGACT 659
QY 759 ATAGAGTGTGATGGCAGAGATTTGGTGAAGATTTGGATTAATCTGATGCTCCTCATTA 818
Db 660 ATAGAGTGTGATGGCAGAGATTTGGTGAAGATTTGGATTAATCTGATGCTCCTCATTA 719
QY 819 TTTTCTCATGAAGGATTTACATGGCGGAGGCAAGATAAGCAAGGAGAGAGTTTCTTGG 878
Db 720 TTTTCTCATGAAGGATTTACATGGCGGAGGCAAGATAAGCAAGGAGAGAGTTTCTTGG 779
QY 879 ACCTTGTGTTGATGGGAAACTAAATTTTGTGTCGCCAGATCAACTGGATTTATAG 938
Db 780 ACCTTGTGTTGATGGGAAACTAAATTTTGTGTCGCCAGATCAACTGGATTTATAG 839
QY 939 AAAAATGCTTAAAGACATCCAGAGATAGACCTGAAGCAAAAATCCAGAACTACAAGC 998
Db 840 AAAAATGCTTAAAGACATCCAGAGATAGACCTGAAGCAAAAATCCAGAACTACAAGC 899
QY 999 AGTCTGTTCAAGGAGGAGGACAAGTTTACAGGAATGTTCTTCCAGGAGCAATCCAAAAGA 1058
Db 900 AGTCTGTTCAAGGAGGAGGACAAGTTTACAGGAATGTTCTTCCAGGAGCAATCCAAAAGA 959
QY 1059 GTCTCAGGATCCTTCAATTAACCTTCAGGAT 1089
Db 960 GTCTCAGGATCCTTCAATTAACCTTCAGGCT 990

RESULT 3

US-09-410-194-14
: Sequence 14, Application US/09410194
: Patent No. US20020095030A1
: GENERAL INFORMATION:
: APPLICANT: Tschoopp, Jurq
: APPLICANT: Thome, Margot
: APPLICANT: Burns, Kimberly
: APPLICANT: Irmiler, Marten
: APPLICANT: Hahne, Michael
: APPLICANT: Schrotter, Michael
: APPLICANT: Schneider, Pascal
: APPLICANT: Bodmer, Jean- Luc
: APPLICANT: Steiner, Veronique
: APPLICANT: Rimoldi, Donata
: APPLICANT: Hofmann, Kay
: APPLICANT: French, E. Lars
: TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
: FILE REFERENCE: 11141-002001
: CURRENT APPLICATION NUMBER: US/09/410,194
: CURRENT FILING DATE: 1999-09-30
: PRIOR APPLICATION NUMBER: PCT/EP98/01857
: PRIOR FILING DATE: 1998-03-31
: PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
: PRIOR FILING DATE: 1997-04-01
: NUMBER OF SEQ ID NOS: 27
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 14
: LENGTH: 1190
: TYPE: DNA

: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (394)...(1056)
US-09-410-194-14

Query Match 62.5%; Score 858.2; DB 10; Length 1190;
Best Local Similarity 99.5%; Pred. No. 6.7e-168;
Matches 871; Conservative 0; Mismatches 3; Indels 1; Gaps 1;
QY 343 GAACTCCCCACTGGAAGGATTTCTGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTG 402
Db 256 GAACTCCCCACTGGAAGGATTTCTCAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTG 315
QY 403 ACTGCCCTGCTGGCTTTCTGTTGACTGGCCCGGAGCTGTACTGCAAGACCCCTTGTGAGCT 452
Db 316 ACTGCCCTGCTGGCTTTT-CTGTTGACTGGCCCGGAGCTGTACTGCAAGACCCCTTGTGAGCT 374
QY 463 TCCTAGTCTTAAGAGTAGGATGCTGCTGAAGTCATCCATCAGGTTGAAGACCACTTGA 522
Db 375 TCCTAGTCTTAAGAGTAGGATGCTGCTGAAGTCATCCATCAGGTTGAAGACCACTTGA 434
QY 523 TACAGATGAGAAGGAGATGCTGCTCTTTTGTGCGGGGATGTTGCTATAGATGTGTTCC 582
Db 435 TACAGATGAGAAGGAGATGCTGCTCTTTTGTGCGGGGATGTTGCTATAGATGTGTTCC 494
QY 583 ACCTAATGTCAAGGACCTTCTGATATTTTACGGGAAAGAGGTAAGCTGTCTCTCGGGGA 642
Db 495 ACCTAATGTCAAGGACCTTCTGATATTTTACGGGAAAGAGGTAAGCTGTCTCTCGGGGA 554
QY 643 CTTGGCTGAACCTCTACAGAGTAGGCGATTTGACCTGCTCAAAAGCTATCTTGAAGAT 702
Db 555 CTTGGCTGAACCTCTCTACAGAGTAGGCGATTTGACCTGCTCAAAAGCTATCTTGAAGAT 614
QY 703 GGACAGAAAGCTGTGAGACCCACCTGCTCAGGAAACCCCTCACCCTGTTTTCGGACTATAG 762
Db 615 GGACAGAAAGCTGTGAGACCCACCTGCTCAGGAAACCCCTCACCCTGTTTTCGGACTATAG 674
QY 763 AGTGTGTGAGGACAGATTTGGTGAAGATTTGGATTAATCTGATGTGCTCCTCATATTTT 822
Db 675 AGTGTGTGAGGACAGATTTGGTGAAGATTTGGATTAATCTGATGTGCTCCTCATATTTT 734
QY 823 CCTCATGAAGGATTACATGGCGGAGGCAAGATAAGCAAGGAGAGAGTTTCTTGGACCT 882
Db 735 CCTCATGAAGGATTACATGGCGGAGGCAAGATAAGCAAGGAGAGAGTTTCTTGGACCT 794
QY 883 TGTGTTGAGTTGGAGAAACTAAATTTGTTGCCCGAGATCAACTCGATTTATTAGAAA 942
Db 795 TGTGTTGAGTTGGAGAAACTAAATCTGTTGCCCGAGATCAACTCGATTTATTAGAAA 854
QY 943 ATGCCCTAAAGACATCCAGAGATAGACCTGAAGAGCAAAAATCCAGAGTACAGCAGTC 1002
Db 855 ATGCCCTAAAGACATCCAGAGATAGACCTGAAGAGCAAAAATCCAGAGTACAGCAGTC 914
QY 1003 TGTTCAGGAGCAGGACCAAGTTTACAGGAATGTTCTTCCAGGAGCAATCCAAAAGAGTCT 1062
Db 915 TGTTCAGGAGCAGGACCAAGTTTACAGGAATGTTCTTCCAGGAGCAATCCAAAAGAGTCT 974
QY 1063 CAAGGATCCTTCAAAATAACTTTCAGGATGATAACACCTATGCCCATTTGCTGATCTGAA 1122
Db 975 CAAGGATCCTTCAAAATAACTTTCAGGATGATAACACCTATGCCCATTTGCTGATCTGAA 1034
QY 1123 AATTCCTGGAATTTGTTCCATGTGATTAACATGGAACCTGCTCTACTTCAATCTCTGAA 1182
Db 1035 AATTCCTGGAATTTGTTCCATGTGATTAACATGGAACCTGCTCTACTTCAATCTCTGAA 1094
QY 1183 TGATTAATCGTTTCAATTTTCTAAATGTGTTATA 1217
Db 1095 TGATTAATCGTTTCAATTTTCTAAATGTGTTATA 1129

RESULT 4

US-09-410-194-18

```

; Sequence 18, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmiler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 2452
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (172)...(1614)
; US-09-410-194-18

```

Query Match	27.28;	Score 373.8;	DB 10;	Length 2452;
Best Local Similarity	68.8%;	Pred. No. 9.e-68;		
Matches 532; Conservative	0;	Mismatches 232; Indels	9;	Gaps 1;

QY	313	ACGCGCAGAGAGTCCGCCGCAGACAGCACTCCCACACTGGAAAGATTCACAAG	372
Db			
QY	9	ACCCTCTCAGCGGCCACTTAGGCCCGACAGAGTGCTCTATTGCAAGAATCTCGAGAG	68
Db			
QY	373	AAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGCCCTGCTGTGG-----CTTCCCTGT	423
Db			
QY	69	AAATGAAGAGAGTCTCAGCAATGATGTGGCTTCGTGGTTCGCCAGAGCCCTGCTAA	128
Db			
QY	424	TGACTGGCCCCGAGCTGTACTGCAAGACCCTTGTGAGCTTCCCTAGTCTTAAGAGTAGGAT	483
Db			
QY	129	TGGATGGAGACTGGACAGAGAACCTGGCGTGTGTGGTTCTGAACATGGCCAGAGCCCTGT	188
Db			
QY	484	GTCTGCTGAAGTCATCCCATCAGGTTGAAGAAGACACTTGTATACAGATGAGAAGGAGATGCT	543
Db			
QY	189	GTCTGCCGAGTCAATTACAGGTTGGAAGAGTGCTTTGATGAACACGACGAGAAGAGATGAT	248
Db			
QY	544	GCTCTTTTTTGTGCCGGGATPTGCTATPAGATGTGGTTTCCACCTTAATGTCAGGAGCCTTCT	603
Db			
QY	249	GCTCTTCTGTGTAGAGATGTGACTGAGAACCCTGGCTGCACCTTAAGTCTCAGGAGCCTCTCT	308
Db			
QY	604	GSATATTTTACGGGAAGAGTAGCTGTCTGTGGGGACTTGGCTGTAACCTGCTCTACAG	663
Db			
QY	309	GGATAGCTTAAGTGAGAGAGCCAGCTCTCTTTTGTGTCACCTTGGCTGAATGCTGTACAG	368
Db			
QY	664	AGTAGGGCGATTGTGACCTGCTCAAACCTATCTTGAAGATGGACAGAAAAGCTGTGGAGAC	723
Db			
QY	369	AGTAGGGCGGTTTGACCTTCTCAAGAGGATCTTGAAGACAGAAAAAGCAACCGTGGAGGA	428
Db			
QY	724	CCACCTGTCTCAGGAACCCCTCACCTTGTTTCGGGACTATAGAGTCTGATGGCAGAGATTGG	783
Db			
QY	429	CCACCTGGCGAARACCCCTCACCTGGTTTCTGATATAGGTCCTGCTGATGGAGATTGG	488
Db			
QY	784	TGAGGATTTGGATAAATCTGATGTGTCCTCATTAATTTTCCCTCATGAAGGATTACATGGG	843
Db			
QY	489	TGAGAGCTTAGATCAGAACAGATGTATCCTCCTTAGTTTTCCTTAC AAGS GATTACACAGG	548
Db			

```

RESULT 5
US-09-833-381-436/c
; Sequence 436, Application US/09833381
; Patent No. US20020132090A1
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. US20020132090A1el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 436
; LENGTH: 490
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(490)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-436

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Query Match	25.8%	Score 354.2;	DB 10;	Length 490;
Best Local Similarity	82.4%;	Pred. No. 5.1e-64;		
Matches 404;	Conservative 0;	Mismatches 86;	Indels 0;	Gaps 0;
QY	653	CTGCTCTACAGAGTGGCGGATTTTGACCTGCTCTAAACGCTATCTTGAAGATGCGACAGAA	712	
DB	490	CTGTTCTATAGAGTGGCGGATTTGATGTCCTACATGCATCTCGCACATCGACACACA	431	
QY	713	GCTCTGGAGACCCACCTGCTCTCAGGAACCCCTCACCTTGTTTCGGACTATAGAGTGCTCATG	772	
DB	430	GCTGTGCAGATCCACNCTGTAGCCATCCTCACCTTGTTTGGCACTATACAGTGCTCATG	371	
QY	773	GCAGAGATTGGTGAGGATTGGGATAAATCTGATGTGTCCCTCATTAATTTTCTCATGAG	832	
DB	370	GTAGAGTCGGTGAGCATTTGCGATCAATNCCATGTGTCCCTCATTCATTTCTTTATCAAG	311	
QY	833	GATTACATGGCGCCGAGCGCAAGATAAGCAAGGAGAAAGAGTTTCTTGGACCTTGTGGTGTGAG	892	
DB	310	CATCAATGGCCTGAGGTAGATACCCAGGAGAAAGAGTTTTTTTGGACTTTGTGGTGTGAG	251	
QY	893	TTGGAGAACTAAATTTGGTTTGGCCCCAGATCAACTGGATTATTATGAAAAATGCGCTAAAG	952	
DB	250	TTGGAGAAATACATCCGGTCGCCCTCAGATTCACTGCTCATTCATTAGCAAAATGCTTAAAG	191	
QY	953	AACATCCACAGATAGACCTCGAGACAAAATCCAGAGTACAGAGCTGTGTTCAAGGA	1012	
DB	190	AACATCCACAGATAGACCTCAACCCAAAATCCAGAGTATAAGAGCTGTGTTCAAGCA	131	
QY	1013	GCAGGGACAAGTTACAGGAATGTTCTCCAAAGCAGCAATCCAAAAGAGTGCTCAAGGATCCT	1072	
DB	130	GCAGGGACAAGTACACGAATGTTTCCACCCAGCAATTAAGACGAGCTTTCACGAGATCT	71	

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.6
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2
US-09-864-761-3120

Query Match 20.1%; Score 276; DB 10; Length 437;
Best Local Similarity 100.0%; Pred. No. 6.8e-48;
Matches 276; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 487 TGCTGAAGTATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAGGAGAGTCTGCT 546
DB 437 TGCTGAAGTATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAGGAGAGTCTGCT 378
QY 547 CTTTTCGCGGGGATCTGCTATAGATGTGTTCCACCTAAATCTCAGGACCTTCTGGA 606
DB 377 CTTTTCGCGGGGATCTGCTATAGATGTGTTCCACCTAAATCTCAGGACCTTCTGGA 318
QY 607 TATTTACGGAAAGAGTAAAGCTGTCTGTCGGGGACTTGGCTGAACCTCTACAGAGT 666
DB 317 TATTTACGGAAAGAGTAAAGCTGTCTGTCGGGGACTTGGCTGAACCTCTACAGAGT 258
QY 667 GAGCGATTGACCTGCTCAACCTATCTTGAAGATGGACAGAAAAGCTGTGGAGACCCA 726
DB 257 GAGCGATTGACCTGCTCAACCTATCTTGAAGATGGACAGAAAAGCTGTGGAGACCCA 198
QY 727 CTTCTCAGGAACCTCACCTGTGTTCCGGACTATAG 762
DB 197 CTTCTCAGGAACCTCACCTGTGTTCCGGACTATAG 162

RESULT 8

US-09-864-761-19899/c
Sequence 19899, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aeonica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 19899
LENGTH: 177
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC007272.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 8
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.3
OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 3.5
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.6
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2
OTHER INFORMATION: SWISSPROT HIT: O51391, EVALUE 4.90e+00
OTHER INFORMATION: EST_HUMAN HIT: AV691851.1, EVALUE 3.00e-95
OTHER INFORMATION: NT_HIT: AF015450.1, EVALUE 2.00e-95
US-09-864-761-19899

Query Match 12.9%; Score 177; DB 10; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 482 ATGCTCTGCTGAAGTATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAGGAGATG 541
DB 177 ATGCTGCTCAAGTATCCATCAGGTTGAAGAGCACTTGATACAGATGAGAGGAGATG 118
QY 542 CTGCTCTTTTTCGCGGGATGTTGCTATAGATGTGTTCCACCTATATGTCAGGACCTT 601
DB 117 CTGCTCTTTTTCGCGGGATGTTGCTATAGATGTGTTCCACCTATATGTCAGGACCTT 58
QY 602 CTGATATTTTACGGGAAAGAGGTAAGCTCTGTCGCGGACTTGGCTGAACCTGCTC 658
DB 57 CTGATATTTTACGGGAAAGAGGTAAGCTCTGTCGCGGACTTGGCTGAACCTGCTC 1

RESULT 9

US-09-960-352-12673/c
Sequence 12673, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION A
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 12673
LENGTH: 277
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 54-LIB3058-039-Q1-K1-F10
US-09-960-352-12673

Query Match 6.6%; Score 90; DB 10; Length 277;
Best Local Similarity 64.3%; Pred. No. 1.4e-09;
Matches 135; Conservative 0; Mismatches 75; Indels 0; Gaps 0;

ORGANISM: Bos taurus

RESULT 13
US-09-960-352-15014/c

[illegible]

2

GenCore version 5.1.4.p5_4578
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OM nucleic - nucleic search, using sw model

Run on: April 12, 2003, 18:24:48 ; Search time 33.7934 Seconds
(without alignments)
12460.036 Million cell updates/sec

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Perfect score: 1373
Sequence: 1 ggagctcgagcattacaat.....aaaaaaaaaaaaaaaaaaaa 1373

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents.NA.*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1033.4	75.3	2040	4	US-09-069-023-33
2	1025.2	74.7	2045	4	US-08-795-088A-1
3	1008.6	73.5	1750	3	US-08-859-167-1
4	1008.6	73.5	1750	3	US-09-109-273-1
5	1008.6	73.5	1750	4	US-09-276-993-1
6	79.4	5.8	1582	3	US-08-545-196B-10
7	79.4	5.8	1582	3	US-08-545-196B-12
8	78.4	5.7	3527	2	US-08-909-965C-7
9	78.4	5.7	1454	4	US-09-372-422A-19
10	76.8	5.6	1441	4	US-08-821-99A-63
11	75.6	5.5	2323	4	US-09-149-476-24
12	74.8	5.4	746	4	US-09-013-810-1
13	74.2	5.4	2852	3	US-09-027-137-2
14	74.2	5.4	2852	4	US-09-344-441-2
15	73.2	5.3	5852	1	US-07-867-106-2
16	72.8	5.3	1117	4	US-09-247-373B-33
17	72.6	5.3	680	6	5498694-3
18	72.6	5.3	1485	4	US-09-372-422A-39
19	72.2	5.3	1123	4	US-09-152-060-15
20	72.2	5.2	578	4	US-09-602-877A-95
21	72.2	5.2	1378	4	US-09-149-476-208
22	71.8	5.2	2296	4	US-08-496-841C-137
23	71.4	5.2	991	3	US-08-924-747-25
24	71.4	5.2	991	4	US-09-247-373B-25
25	71.4	5.2	991	4	US-09-296-715-25
26	71.4	5.2	2239	4	US-09-196-390-1
27	71.2	5.2	1507	4	US-09-453-323-1

28	71.2	5.2	2409	4	US-09-293-322C-8	Sequence 8, Appli
29	71.2	5.2	3581	2	US-08-738-349-1	Sequence 1, Appli
30	71	5.2	3848	4	US-09-112-096-28	Sequence 28, Appli
31	71	5.2	5668	4	US-09-112-096-14	Sequence 14, Appli
32	71	5.2	5668	4	US-09-605-785-777	Sequence 777, App
33	70.8	5.2	1641	1	US-08-300-903A-8	Sequence 8, Appli
34	70.4	5.1	1493	1	US-08-340-820-24	Sequence 24, Appli
35	70.4	5.1	1493	1	US-08-593-535-24	Sequence 24, Appli
36	70.4	5.1	2550	6	5258287-23	Patent No. 5258287
37	70.2	5.1	1181	4	US-09-149-476-310	Sequence 310, App
38	70.2	5.1	1212	4	US-09-149-476-186	Sequence 186, App
39	70.2	5.1	1776	3	US-08-655-352-10	Sequence 10, Appli
40	70.2	5.1	1776	4	US-09-258-016-10	Sequence 10, Appli
41	70.2	5.1	3124	4	US-09-257-825B-10	Sequence 10, Appli
42	70.2	5.1	3124	4	US-09-734-030-1	Sequence 1, Appli
43	70	5.1	1046	1	US-08-361-467B-4	Sequence 4, Appli
44	70	5.1	1046	1	US-08-484-332C-4	Sequence 4, Appli
45	70	5.1	1461	3	US-08-722-126A-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1

US-09-069-023-33
; Sequence 33, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-069-023-33

Query Match		75.3%;	Score 1033.4;	DB 4;	Length 2040;
Best Local Similarity		99.4%;	Pred. No. 1.2e-228;		
Matches 1037;		Conservative	0;	Mismatches	6;
				Indels	0;
				Gaps	0;
Oy	47	AGCGAGCTTGCAGCTCACCACGAGTCTCACTAAAGGGACTCCCGGAGCTAGGGGTG	106		
Db	1	AGCGAGCTTGCAGCTCACCACGAGTCTCACTAAAGGGACTCCCGGAGCTAGGGGTG	60		
Oy	107	GGGACTCGCGCTCACACAGTGAAGTCCCGCTATTGGACTTTTGTCCAGTGACAGCTGAGA	166		
Db	61	GGGACTCGCGCTCACACAGTGAAGTCCCGCTATTGGACTTTTGTCCAGTGACAGCTGAGA	120		
Oy	167	CAACAAGGACCCAGGAGGAGTGTAGAGAGAGCGCCGGAACAGCGATCGGCCAGCA	226		
Db	121	CAACAAGGACCCAGGAGGAGTGTAGAGAGAGCGCCGGAACAGCGATCGGCCAGCA	180		
Oy	227	CCAGTCCGCTTCCAGGCTTTCGGTTCTTTTCCTCCATCTTGGTGGCCCTTCCCGCG	286		
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Oy	287	TCTAGGGAGCGAAGGCTGAGGTGGCAGCGAGAGTCCGCGCGGAGAGCGAAC	346		
Db	241	TCTAGGGAGCGAAGGCTGAGGTGGCAGCGGAGAGTCCGCGCGGAGAGCGAAC	300		
Oy	347	TCCCCCTTGAAGGAGTTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTG	406		
Db	301	TCCCCCTTGAAGGAGTTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTG	360		
Oy	407	CCTGCTGCTTTCCTGTTGACTGGCCGCGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCC	466		

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Db 917 TTGAGTTGGAGAACTAAATTTGGTGGCCAGAGTCAACTGATTTTATTAGAAAAATGCC 976
Qy 948 TAAAGACATCCACAGATAGACCTGAAGACAAATAATCCAGAAATGACAGAGTCTGTTC 1007
Db 977 TAAAGACATCCACAGATAGACCTGAAGACAAATAATCCAGAAATGACAGAGTCTGTTC 1036
Qy 1008 AAGCAGGAGGACAGATTACAGGATCTCTCCAGCAGCAATCCAAAGAGTCTCAGG 1067
Db 1037 AAGCAGGAGGACAGATTACAGGATCTCTCCAGCAGCAATCCAAAGAGTCTCAGG 1096
Qy 1068 ATCCTTCAAAATACTTCAGGAT 1089
Db 1097 ATCCTTCAAAATACTTCAGGCT 1118

RESULT 3

US-08-859-167-1
; Sequence 1, Application US/08859167
; Patent No. 6037461
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6037461rlis
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/08/859,167
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: DeLuca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1750 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 413..1750
US-08-859-167-1

Query Match 73.58; Score 1008.6; DB 3; Length 1750;
Best Local Similarity 99.5%; Pred. No. 5.5e-223;
Matches 1022; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

Qy 69 CGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGGTGGGACTCGGCTCACACAGTGA 128
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Db 61 GTCCGGCTATTGACATTTTGTCCAGTGACAGCTGAGACAAACAGGACCACGGAGGAGG 120
Qy 189 TGTAGGAGAGAAAGCGCCGCGAAGCAGATCGCCAGACCAAGTCCGCTTCCAGGCTTTC 248
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Qy 309 TGGCAGCGGCGAGAGAGTCCGCGCGACAGAGCAACTCCCCACACTGGAAGGATTCGTG 368
Db 241 TGGCAGCGGCGAGAGAGTCCGCGCGACAGAGCAACTCCCCACACTGGAAGGATTCGTG 300
Qy 369 AAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTCGCTGCTGCTGCTGCTGCTGCTGCTG 428
Db 301 AAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTCGCTGCTGCTGCTGCTGCTGCTGCTG 359
Qy 429 GCGCCGGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTG 488
Db 360 GCGCCGGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTG 419
Qy 489 CTGAAGTCATCCATCAGGTTGAAGACACCTTTGATACAGATGAGAAGGAGATGCTGCTCT 548
Db 420 CTGAAGTCATCCATCAGGTTGAAGACACCTTTGATACAGATGAGAAGGAGATGCTGCTCT 479
Qy 549 TTTTGTCCCGGGATGTTGCTATAGATGTTGCTCCACCTTAATGTCAGGAGACCTTCTGGATA 608
Db 480 TTTTGTCCCGGGATGTTGCTATAGATGTTGCTCCACCTTAATGTCAGGAGACCTTCTGGATA 539
Qy 609 TTTTACGGGAAAGAGGTAAGCTGTCTGCGGGGACTTGGCTGAACCTGTCTACAGAGTGA 668
Db 540 TTTTACGGGAAAGAGGTAAGCTGTCTGCGGGGACTTGGCTGAACCTGTCTACAGAGTGA 599
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Db 600 GCGCATTTGACCTGCTCAACGCTATCTTGAAGATGGACAGAAAGCTGTGGAGACCCACC 659
Qy 729 TGCTCAGGAACCTCACCTTCTTGGACTATAGAGTCTGATGCGCAGAGATTTGGTGAGG 788
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Qy 789 ATTTGGATAAATCTGATGTGCTCTCATTAATTTTCTCATGAAGATTTACATGGCCGAG 848
Db 720 ATTTGGATAAATCTGATGTGCTCTCATTAATTTTCTCATGAAGATTTACATGGCCGAG 779
Qy 849 GCAAGATAAGCAAGGAGAGATTTCTTGGACCTTGTGGTGTGAGTTGAGAGAACTAAAT 908
Db 780 GCAAGATAAGCAAGGAGAGATTTCTTGGACCTTGTGGTGTGAGTTGAGAGAACTAAATC 839
Qy 909 TGGTTGCCCCAGATCAACTGGATTTATTAGAAAAATGCTTAAAGAACATCCACAGAAATAG 968
Db 840 TGGTTGCCCCAGATCAACTGGATTTATTAGAAAAATGCTTAAAGAACATCCACAGAAATAG 899
Qy 969 ACCTGAAGACAAAAATCCAGAAAGTACAGAGCTGTGTTCAAGAGGAGCGGACAAAGTTACA 1028
Db 900 ACCTGAAGACAAAAATCCAGAAAGTACAGAGCTGTGTTCAAGAGGAGCGGACAAAGTTACA 959
Qy 1029 GGAATGTTCTCCAAGCAGCAATCCAAAGAGCTCTCAAGGATCTTCAATTAACCTTCAGGA 1088
Db 960 GGAATGTTCTCCAAGCAGCAATCCAAAGAGCTCTCAAGGATCTTCAATTAACCTTCAGGA 1019
Qy 1089 TGATAAC 1095
Db 1020 GCATACC 1026

RESULT 4
US-09-109-273-1
; Sequence 1, Application US/09109273

Patent No. 6063760
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
TITLE OF INVENTION: OF MAKING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6063760ris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: WINDOWS
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,273
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/859,167
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TLU-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1750 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 413..1750
US-09-109-273-1

Query Match 73.58; Score 1008.6; DB 3; Length 1750;
Best Local Similarity 99.58; Pred. No. 5.5e-223;
Matches 1022; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

Qy 69 CGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGGTGGGACTCGGCTCACACAGTGA 128
Db 1 CGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGGTGGGACTCGGCTCACACAGTGA 60
Qy 129 GTGCGGCTATTTGGACTTTTTCAGTGCAGCTGAGCAACACAGGACCGGAGGAGG 188
Db 61 GTGCGGCTATTTGGACTTTTTCAGTGCAGCTGAGCAACACAGGACCGGAGGAGG 120
Qy 189 TGTAGGAGAGAGCGCCCGAACAGCGATCGCCAGCAGCAAGTCCGCTTCCAGCTTTC 248
Db 121 TGTAGGAGAGAGCGCCCGAACAGCGATCGCCAGCAGCAAGTCCGCTTCCAGCTTTC 180
Qy 249 GTTTCCTTTCCTCCATCTTGGGTGGCGCTTCCCGGCTCTAGGGAGCGAGGCTCAGG 308
Db 181 GTTTCCTTTCCTCCATCTTGGGTGGCGCTTCCCGGCTCTAGGGAGCGAGGCTCAGG 240
Qy 309 TGGCAGCGGAGGAGAGTCCCGGCGGAGCAAGTCCCGCTAGGGAGCGAGGATCTG 368
Db 241 TGGCAGCGGAGGAGAGTCCCGGCGGAGCAAGTCCCGCTAGGGAGCGAGGATCTG 300
Qy 369 AAGAGAAATGAAGTCAAGCTCAGAAATGAAGTTCAGTGCCTGCTTCTTCTGACT 428
Db 301 AAGAGAAATGAAGTCAAGCTCAGAAATGAAGTTCAGTGCCTGCTTCTTCTGACT 359

Qy 429 GSCCGGAGCTGTACTGCAAGACCTTCTGAGCTTCCCTAGTCTTAAGAGTAGGATGCTG 488
Db 360 GSCCGGAGCTGTACTGCAAGACCTTCTGAGCTTCCCTAGTCTTAAGAGTAGGATGCTG 419
Qy 489 CTGAAGTCATCATCAGCTTGAAGAACGACCTTGATACAGATGAGAGGAGATGCTGCTCT 548
Db 420 CTGAAGTCATCATCAGCTTGAAGAACGACCTTGATACAGATGAGAGGAGATGCTGCTCT 479
Qy 549 TTTTGTGCGCGGAGTGTCTCTATAGATGTTTCCACCTTAATGTTCAGGACCTTCTGGATA 608
Db 480 TTTTGTGCGCGGAGTGTCTCTATAGATGTTTCCACCTTAATGTTCAGGACCTTCTGGATA 539
Qy 609 TTTTACGGGAAGAGGAGTGTCTGTCGGGGAGCTTGGCTGAACCTGCTACAGAGTGA 668
Db 540 TTTTACGGGAAGAGGAGTGTCTGTCGGGGAGCTTGGCTGAACCTGCTACAGAGTGA 599
Qy 669 GCGGATTTGACCTGCTCAAGCTATCTTGAAGATGAGACAGAAAGCTGTGGAGACCCACC 728
Db 600 GCGGATTTGACCTGCTCAAGCTATCTTGAAGATGAGACAGAAAGCTGTGGAGACCCACC 659
Qy 729 TGCTCAGGAACCCCTCACCTTGTTCGGACTATAGATGCTGATGCGAGAGATTTGGTAGG 788
Db 660 TGCTCAGGAACCCCTCACCTTGTTCGGACTATAGATGCTGATGCGAGAGATTTGGTAGG 719
Qy 789 ATTTGGATAAATCTGATGTCCTCATTAATTTTCTCATCAAGGATTTACATGGCCGAG 848
Db 720 ATTTGGATAAATCTGATGTCCTCATTAATTTTCTCATCAAGGATTTACATGGCCGAG 779
Qy 849 GCAAGATAAGCAAGGAGAGAGTTTCTTGGACCTTGTGGTTCAGTTGGAGAACTAAAT 908
Db 780 GCAAGATAAGCAAGGAGAGAGTTTCTTGGACCTTGTGGTTCAGTTGGAGAACTAAATC 839
Qy 909 TGGTGGCCCCAGATCAACTGCTATTTAGAAAAATGCTTAAGAACATCCACAGAAATAG 968
Db 840 TGGTGGCCCCAGATCAACTGCTATTTAGAAAAATGCTTAAGAACATCCACAGAAATAG 899
Qy 969 ACCTGAAGACAAAAAATCCAGAAAGTACAGAGCTGTTTCAAGGAGGAGGACAAAGTTACA 1028
Db 900 ACCTGAAGACAAAAAATCCAGAAAGTACAGAGCTGTTTCAAGGAGGAGGACAAAGTTACA 959
Qy 1029 GGAATGTTCTCCAGCAGCAATCCAAAAGAGCTCTCAAGGATCTTCAAAATTAACCTCAGGA 1088
Db 960 GGAATGTTCTCCAGCAGCAATCCAAAAGAGCTCTCAAGGATCTTCAAAATTAACCTCAGGA 1019
Qy 1089 TGATAAC 1095
Db 1020 GCATACC 1026
RESULT 5
US-09-276-993-1
; Sequence 1, Application US/09276993
; Patent No. 6207801
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6207801ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/276,993

;; FILING DATE:

;; CLASSIFICATION:

;; PRIOR APPLICATION DATA:

;; APPLICATION NUMBER: 08/859,167

;; FILING DATE:

;; ATTORNEY/AGENT INFORMATION:

;; NAME: Deluca, Mark

;; REGISTRATION NUMBER: 33,229

;; REFERENCE/DOCKET NUMBER: TJU-

;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: (215) 568-3100

;; TELEFAX: (215) 568-3439

;; INFORMATION FOR SEQ ID NO: 1:

;; SEQUENCE CHARACTERISTICS:

;; LENGTH: 1750 base pairs

;; TYPE: nucleic acid

;; STRANDEDNESS: double

;; TOPOLOGY: both

;; MOLECULE TYPE: cDNA

;; FEATURE:

;; NAME/KEY: CDS

;; LOCATION: 413..1750

;; US-09-276-993-1

Query Match 73.5%; Score 1008.6; DB 4; Length 1750;

Best Local Similarity 99.5%; Pred. No. 5.5e-223;

Matches 1022; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

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Oy 69 CGAGTCTCACTAAAGGACTCCGGAGCTAGGGTGGGACTCGGCTCACACAGTGA 128
Db 1 CGAGTCTCACTAAAGGACTCCGGAGCTAGGGTGGGACTCGGCTCACACAGTGA 60
Oy 129 GTGCGCGCTATTGGACTTTTGCAGTGCACAGCTGAGACAACAGGACCGGAGGAGG 188
Db 61 GTGCGCGCTATTGGACTTTTGCAGTGCACAGCTGAGACAACAGGACCGGAGGAGG 120
Oy 189 TGTAGGAGAGAGCGCCGCAACACGATCGCCAGCACCAAGTCCGCTTCCAGGCTTTC 248
Db 121 TGTAGGAGAGAGCGCCGCAACACGATCGCCAGCACCAAGTCCGCTTCCAGGCTTTC 180
Oy 249 GGTTCCTTGGCTCCATCTTGGTGGCGCTTCCGGCGCTCTAGGGAGCGGAGCTGAGG 308
Db 181 GGTTCCTTGGCTCCATCTTGGTGGCGCTTCCGGCGCTCTAGGGAGCGGAGCTGAGG 240
Oy 309 TGGACGCGGAGGAGTCCGGCGCGGACGACGACCACTCCCGCTGGAAGGATTCG 368
Db 241 TGGACGCGGAGGAGTCCGGCGCGGACGACGACCACTCCCGCTGGAAGGATTCG 300
Oy 369 AAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGCTGCTGGCTTTCTGTTGACT 428
Db 301 AAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGCTGCTGGCTTT-CTGTTGACT 359
Oy 429 GCGCGGAGCTGTACTGCAAGACCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTG 488
Db 360 GCGCGGAGCTGTACTGCAAGACCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTG 419
Oy 489 CTGAAGTCATCATCAGGTGAAGAGCACCTTGATACAGATGAGAAGGAGATGCTGCTCT 548
Db 420 CTGAAGTCATCATCAGGTGAAGAGCACCTTGATACAGATGAGAAGGAGATGCTGCTCT 479
Oy 549 TTTTGTGCGGAGTGTCTATAGATGTGGTTCACCTTAATGTACAGGACCTTCTGGATA 608
Db 480 TTTTGTGCGGAGTGTCTATAGATGTGGTTCACCTTAATGTACAGGACCTTCTGGATA 539
Oy 609 TTTTACGGGAAGAGGTAAAGTGTCTGTCGGGAGCTTGGCTGAAGTCTACAGAGTGA 668
Db 540 TTTTACGGGAAGAGGTAAAGTGTCTGTCGGGAGCTTGGCTGAAGTCTACAGAGTGA 599
Oy 669 GCGGATTTGACCTGCTCAAGCTATCTTGAAGATGGACAGAAAAGCTGTGGAGACCCACC 728
Db 600 GCGGATTTGACCTGCTCAAGCTATCTTGAAGATGGACAGAAAAGCTGTGGAGACCCACC 659
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Oy 729 TGCTCAGGAACCCCTCACCTTGTTCGGACTATAGAGTCTGATGCCAGAGATTGGTGAGG 788
Db 660 TGCTCAGGAACCCCTCACCTTGTTCGGACTATAGAGTCTGATGCCAGAGATTGGTGAGG 719
Oy 789 ATTTGGATAAATCTGATGTGCTCCTCATTAATTTCTCTCATGAAGATTACATGGCCGAG 848
Db 720 ATTTGGATAAATCTGATGTGCTCCTCATTAATTTCTCTCATGAAGATTACATGGCCGAG 779
Oy 849 GCAAGATAAGCAAGGAGAGAGATTTCCTTGGACCTTGTGCTGAGTTGGAGAACTAAATTT 908
Db 780 GCAAGATAAGCAAGGAGAGAGATTTCCTTGGACCTTGTGCTGAGTTGGAGAACTAAATTT 839
Oy 909 TGGTTCCTCCAGATCAACTGGATTATTAGAAAAATGCTTAAAGAACATCCACAGAAATAG 968
Db 840 TGGTTCCTCCAGATCAACTGGATTATTAGAAAAATGCTTAAAGAACATCCACAGAAATAG 899
Oy 969 ACCTGAAGACAAAAATCCAGAGTACAGAGTCTGTTCAAGGACGAGGACCAAGTTTACA 1028
Db 900 ACCTGAAGACAAAAATCCAGAGTACAGAGTCTGTTCAAGGACGAGGACCAAGTTTACA 959
Oy 1029 GGAATGTTCTCCAGCAGCAATCCAAAAAGAGTCTCAAGGATCCTTCAAAATCACTCAGGA 1088
Db 960 GGAATGTTCTCCAGCAGCAATCCAAAAAGAGTCTCAAGGATCCTTCAAAATCACTCAGGA 1019
Oy 1089 TGATAAC 1095
Db 1020 GCATACC 1026
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RESULT 6

US-08-545-196B-10

; Sequence 10, Application US/08545196B

; Patent No. 6080577

; GENERAL INFORMATION:

; APPLICANT: MELKI, JUDITH

; TITLE OF INVENTION: SURVIVAL MOTOR NEURON (SMN) GENE: A GENE

; TITLE OF INVENTION: FOR SPINAL MUSCULAR ATROPHY

; NUMBER OF SEQUENCES: 65

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH, LLP

; STREET: PO BOX 747

; CITY: FALLS CHURCH

; STATE: VA

; COUNTRY: USA

; ZIP: 22040-0747

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/545,196B

; FILING DATE: 19-OCT-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: FARACI, C. J.

; REGISTRATION NUMBER: 32,350

; REFERENCE/DOCKET NUMBER: 2121-110P

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 205-8000

; TELEFAX: (703) 205-8050

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1582 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; US-08-545-196B-10

Query Match

5.8%; Score 79.4; DB 3; Length 1582;

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RESULT 8
US-08-909-965C-7
; Sequence 7, Application US/08909965C
; Patent No. 5936078
; GENERAL INFORMATION:
; APPLICANT: Kuda Tetsuo
; APPLICANT: Nakagawa Satoshi
; APPLICANT: Sakaki Yoshiyuki
; APPLICANT: Zhao Nanding
; APPLICANT: Hashida Hideji
; TITLE OF INVENTION: NOVEL DNA, NOVEL POLYPEPTIDE
; AND NOVEL ANTIBODY

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: FITZPATRICK, CELLA, HARPER AND SCINTO
STREET: 277 Park Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10172-0194

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/909,965C
FILING DATE: August 12, 1997
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 322745/95
APPLICATION NUMBER: PCT/JP96/03630
FILING DATE: 12-NO. 5936078-1995
FILING DATE: 12-Dec-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lawrence S. Perry
REGISTRATION NUMBER: 31865
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-2400
TELEFAX: 212-758-2982
TELEX: 236262

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1 INFORMATION FOR SEQ ID NO: 7:
2
3 SEQUENCE CHARACTERISTICS:
4     LENGTH: 3527 base pairs
5     TYPE: nucleic acid
6     STRANDEDNESS: double
7     TOPOLOGY: linear
8
9     MOLECULE TYPE: cDNA to mRNA
10
11     ORIGINAL SOURCE:
12
13     ORGANISM: human
14
15     IMMEDIATE SOURCE:
16
17     CLONE: F998
18
19     FEATURE:
20
21     NAME/KEY: CDS
22     LOCATION: 140 to 1084

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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,596
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,612
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,632
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,601
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,580
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,568
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,314
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,569
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,311
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,671
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,674
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,669
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; EARLIER APPLICATION NUMBER: 60/043,312
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; EARLIER APPLICATION NUMBER: 60/043,313
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,672
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,315
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/056,886
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,877
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,889
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,893
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,630
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,878
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,662
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,872
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,882
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,637
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,903
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,888
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,879
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; EARLIER APPLICATION NUMBER: 60/056,880
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,894
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,911
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,636
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,874
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,910

; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,864
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,631
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,845
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,892
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,761
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/047,595
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,599
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,588
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,585
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,586
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,590
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
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; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
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; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
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; EARLIER APPLICATION NUMBER: 60/056,862
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; EARLIER APPLICATION NUMBER: 60/057,650
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; EARLIER APPLICATION NUMBER: 60/056,884
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; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,669
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

Query Match 5.5%; Score 75.6; DB 4; Length 2323;
Best Local Similarity 55.8%; Pred. No. 2.3e-08;
Matches 144; Conservative 0; Mismatches 114; Indels 0; Caps 0;

Query Match 5.4%; Score 74.8; DB 4; Length 746;
Best Local Similarity 77.1%; Pred. No. 2.3e-08;
Matches 91; Conservative 0; Mismatches 27; Indels 0; Gaps 0;
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Query Match:	5.4%	Score 74.2;	DB 3;	Length 2852;
Best Local Similarity	71.9%;	Pred. NO. 5.2e-08;		
Matches 97;	Conservative 0;	Mismatches 38;	Indels 0;	Gaps 0;
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Qy 1299	TCCTGTGACTTC	TATAAAAAA	AAAAA	AAAAA
Db 2484	TCYTTTTACCA	CTGGCAAAAA	AAAAA	AAAAA
Qy 1359	AAAAA	AAAAA	AAAAA	AAAAA
Db 2544	AAAAA	AAAAA	AAAAA	AAAAA
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US-09-344-441-2
; Sequence 2, Application US/09344441
; Patent No. 6376651

GENERAL INFORMATION:

APPLICANT: Hillman, Jennifer L.
Corley, Neil C.
Yue, Henry

TITLE OF INVENTION: CAF1-RELATED PROTEIN

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0

APPLICATION NUMBER: US/09/344.441

FILING DATE: 20-Feb-1998

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/027,137

FILING DATE: 1998-02-20

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0476 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555

TELEFAX: 650-845-4166

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 2852 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: PROSNOT16

CLONE: 2229466

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-344-441-2

Query Match 5.4%; Score 74.2; DB 4; Length 2852;
Best Local Similarity 71.9%; Pred. No. 5.2e-08;
Matches 97; Conservative 0; Mismatches 38; Indels 0; Gaps 0;

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Qy 1299 TCTTTGCTACTTCTTAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1358

Db 2484 TCTTTTAACTGCACTGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2543

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Db 2544 AAAAAAAAAAAAAA 2558

RESULT 15

US-07-867-106-2/c

; Sequence 2, Application US/07867106

; Patent No. 5389526

GENERAL INFORMATION:

APPLICANT: Slade, Martin B

APPLICANT: Chang, Andy C M

APPLICANT: Williams, Keith L

TITLE OF INVENTION: Improved Plasmid Vectors for Cellular

TITLE OF INVENTION: Slime Moulds of the Genus Dictyostelium

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5389526-r1s
STREET: One Liberty Place 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/867,106

FILING DATE: 19920625

PRIOR APPLICATION DATA:

APPLICATION NUMBER: AU PJ 7187

APPLICATION NUMBER: PCT/AU90/00530

FILING DATE: 02-NOV-1989

ATTORNEY/AGENT INFORMATION:

NAME: Feeney, Joanne Longo

REGISTRATION NUMBER: 35,134

REFERENCE/DOCKET NUMBER: RICE-0002

TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-568-3100

TELEFAX: 215-568-3439

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 5852 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

ANTI-SENSE: NO

FEATURE:

NAME/KEY: CDS

LOCATION: 2378...5038

FEATURE:

NAME/KEY: CDS

LOCATION: 2378...5038

US-07-867-106-2

Query Match 5.3%; Score 73.2; DB 1; Length 5852;
Best Local Similarity 63.2%; Pred. No. 1.1e-07;
Matches 129; Conservative 0; Mismatches 73; Indels 2; Gaps 1;

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Db 5795 TATACATTTTAAATGGTTATTAAATTTATTTATTTATTTGTTTATTTTATATAT 5736

Qy 1230 TTCTTCTGCTGTATGTTTAGATGCTTTCATCTTTTGTACTACTATAATGCTATA 1289

Db 5735 ATGTTATTTGTTGTTGTTTCTTTTCTACTATATTTCTATTTT--TATTATAAATAAT 5678

Qy 1290 AATAAATATCTTGTACTTCTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1349

Db 5677 AATTAATTTTAAATAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATTTAAATTA 5618

Qy 1350 AAAAAAAAAAAAAAAAAAAAAA 1373

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Search completed: April 12, 2003, 20:46:32

Job time : 52.7934 secs

GenCore version 5.1.4_p5_4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 12, 2003, 22:29:49 ; Search time 21.2268 Seconds
(without alignments)
1382.463 Million cell updates/sec

Title: US-09-380-546A-2
Perfect score: 2473
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Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 248812 seqs, 61136040 residues

Total number of hits satisfying chosen parameters: 248812

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA:

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11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2468	99.8	480	10	US-09-861-270-2
2	2468	99.8	480	10	US-09-410-194-11
3	2468	99.8	480	10	US-09-410-194-17
4	1580	63.9	481	10	US-09-410-194-12
5	1580	63.9	481	10	US-09-410-194-19
6	1568.5	63.4	484	9	US-10-005-921-2
7	1007	40.7	221	10	US-09-410-194-15
8	1007	40.7	221	10	US-09-410-194-22
9	465	18.8	93	10	US-09-864-761-36370
10	410	16.6	479	10	US-09-410-194-20
11	389	15.7	76	10	US-09-864-761-35073
12	381.5	15.4	496	10	US-09-952-768-4
13	370.5	15.0	476	10	US-09-954-697-27
14	323.5	13.1	521	10	US-09-962-834A-2
15	323.5	13.1	571	10	US-09-410-194-21
16	318.5	12.9	479	10	US-09-952-768-2
17	318.5	12.9	479	10	US-09-954-697-33
18	248	10.0	182	10	US-09-410-194-24
19	246.5	10.0	286	10	US-09-862-915-1

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20 239 9.7 171 10 US-09-410-194-4 Sequence 4, Appli
21 234 9.5 169 10 US-09-410-194-2 Sequence 2, Appli
22 234 9.5 188 10 US-09-410-194-23 Sequence 23, Appli
23 204 8.2 250 9 US-10-068-564-48 Sequence 48, Appli
24 204 8.2 250 10 US-09-989-903-48 Sequence 48, Appli
25 198.5 8.0 169 10 US-09-410-194-5 Sequence 5, Appli
26 192 7.8 293 9 US-10-171-077-5 Sequence 5, Appli
27 192 7.8 293 10 US-09-954-697-21 Sequence 21, Appli
28 191.5 7.7 167 10 US-09-864-761-48728 Sequence 48728, A
29 185.5 7.5 177 10 US-09-410-194-7 Sequence 7, Appli
30 184 7.4 277 10 US-09-895-263-4 Sequence 4, Appli
31 181 7.3 264 9 US-10-103-448-3 Sequence 3, Appli
32 181 7.3 264 9 US-10-108-929-3 Sequence 3, Appli
33 181 7.3 277 10 US-09-954-697-12 Sequence 12, Appli
34 180 7.3 300 10 US-09-954-697-36 Sequence 36, Appli
35 177 7.2 451 10 US-09-888-243-28 Sequence 28, Appli
36 176.5 7.1 290 10 US-09-954-697-34 Sequence 34, Appli
37 175.5 7.1 435 10 US-09-954-697-9 Sequence 9, Appli
38 174 7.0 182 10 US-09-809-905-2 Sequence 2, Appli
39 172 7.0 285 10 US-09-954-697-35 Sequence 35, Appli
40 170.5 6.9 171 10 US-09-410-194-1 Sequence 1, Appli
41 170.5 6.9 171 10 US-09-410-194-13 Sequence 13, Appli
42 168 6.8 303 10 US-09-944-851-2 Sequence 2, Appli
43 168 6.8 303 10 US-09-954-697-24 Sequence 24, Appli
44 166 6.7 303 10 US-09-895-263-2 Sequence 2, Appli
45 155 6.3 165 10 US-09-410-194-6 Sequence 6, Appli
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ALIGNMENTS

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RESULT 1
US-09-861-270-2
; Sequence 2, Application US/09861270
; Patent No. US20020052474A1
; GENERAL INFORMATION:
; APPLICANT: Sul, Hong-Bing
; TITLE OF INVENTION: Regulators of Apoptosis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Science & Technology Law Group
; STREET: 75 Denise Drive
; CITY: Hillsborough
; STATE: California
; COUNTRY: USA
; ZIP: 94010
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/861,270
; FILING DATE: 18-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/795,088
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
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SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-861-270-2

Query Match 99.8%; Score 2468; DB 10; Length 480;
Best Local Similarity 99.8%; Pred. No. 2e-199;
Matches 479; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPNVRDLIDILRERGLKSLVGDIAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPNVRDLIDILRERGLKSLVGDIAELLY 60

QY 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIIFLMDKYM 120
DB 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIIFLMDKYM 120

QY 121 GRGKISKESKSFLLVVELEKLNLPADQDLDLLEKCLKNHRIIDLTCTKIQYKOSVOGACT 180
DB 121 GRGKISKESKSFLLVVELEKLNLPADQDLDLLEKCLKNHRIIDLTCTKIQYKOSVOGACT 180

QY 181 SYRNVLOAAIOKSLKDPNSNFRHNGRSKEORLKEOLGAQOEVPVKKSIOESEAFLPQSIP 240
DB 181 SYRNVLOAAIOKSLKDPNSNFRHNGRSKEORLKEOLGAQOEVPVKKSIOESEAFLPQSIP 240

QY 241 EERYKMKSPGLICLIIDICIGNETELLRTDTFTSLGYEVOKFLHLSMHGISOILGQFACMP 300
DB 241 EERYKMKSPGLICLIIDICIGNETELLRTDTFTSLGYEVOKFLHLSMHGISOILGQFACMP 300

QY 301 EHRDYSFVCLVSRGSGSVYGVQDTHSGPLPHHIRRMFMGDSCTPYLAGKPKMFTIQNY 360
DB 301 EHRDYSFVCLVSRGSGSVYGVQDTHSGPLPHHIRRMFMGDSCTPYLAGKPKMFTIQNY 360

QY 361 VVSEGOLENSLLEVDGPAMKNVEFKAKRGCTVHREADFFWSLCTADMSLLEQSHSSP 420
DB 361 VVSEGOLENSLLEVDGPAMKNVEFKAKRGCTVHREADFFWSLCTADMSLLEQSHSSP 420

QY 421 SLVLOCSOKLROERKRPDLHLIELNGYMDWNSRVSAREKYYVWLOHTLRKKLILSYT 480
DB 421 SLVLOCSOKLROERKRPDLHLIELNGYMDWNSRVSAREKYYVWLOHTLRKKLILSYT 480

RESULT 2
US-09-410-194-11
; Sequence 11, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-11

Query Match 99.8%; Score 2468; DB 10; Length 480;
Best Local Similarity 99.8%; Pred. No. 2e-199;
Matches 479; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPNVRDLIDILRERGLKSLVGDIAELLY 60
DB 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPVPPNVRDLIDILRERGLKSLVGDIAELLY 60

QY 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIIFLMDKYM 120
DB 61 RVRRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIIFLMDKYM 120

QY 121 GRGKISKESKSFLLVVELEKLNLPADQDLDLLEKCLKNHRIIDLTCTKIQYKOSVOGACT 180
DB 121 GRGKISKESKSFLLVVELEKLNLPADQDLDLLEKCLKNHRIIDLTCTKIQYKOSVOGACT 180

QY 181 SYRNVLOAAIOKSLKDPNSNFRHNGRSKEORLKEOLGAQOEVPVKKSIOESEAFLPQSIP 240
DB 181 SYRNVLOAAIOKSLKDPNSNFRHNGRSKEORLKEOLGAQOEVPVKKSIOESEAFLPQSIP 240

QY 241 EERYKMKSPGLICLIIDICIGNETELLRTDTFTSLGYEVOKFLHLSMHGISOILGQFACMP 300
DB 241 EERYKMKSPGLICLIIDICIGNETELLRTDTFTSLGYEVOKFLHLSMHGISOILGQFACMP 300

QY 301 EHRDYSFVCLVSRGSGSVYGVQDTHSGPLPHHIRRMFMGDSCTPYLAGKPKMFTIQNY 360
DB 301 EHRDYSFVCLVSRGSGSVYGVQDTHSGPLPHHIRRMFMGDSCTPYLAGKPKMFTIQNY 360

QY 361 VVSEGOLENSLLEVDGPAMKNVEFKAKRGCTVHREADFFWSLCTADMSLLEQSHSSP 420
DB 361 VVSEGOLENSLLEVDGPAMKNVEFKAKRGCTVHREADFFWSLCTADMSLLEQSHSSP 420

QY 421 SLVLOCSOKLROERKRPDLHLIELNGYMDWNSRVSAREKYYVWLOHTLRKKLILSYT 480
DB 421 SLVLOCSOKLROERKRPDLHLIELNGYMDWNSRVSAREKYYVWLOHTLRKKLILSYT 480

RESULT 3
US-09-410-194-17
; Sequence 17, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-17

Query Match 99.8%; Score 2468; DB 10; Length 480;
Best Local Similarity 99.8%; Pred. No. 2e-199;
Matches 479; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 MSAEVTHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDLTLRERKLSVGDLAELLY 60
|||||
DB 1 MSAEVTHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDLTLRERKLSVGDLAELLY 60
|||||
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLLFLMKDYM 120
|||||
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLLFLMKDYM 120
|||||
QY 121 GRGKISKESKSFLLVVELEKLNLVAPDQLLEKCLKNHRIHRIIDLTKTKIYKOSVOCAGT 180
|||||
DB 121 GRGKISKESKSFLLVVELEKLNLVAPDQLLEKCLKNHRIHRIIDLTKTKIYKOSVOCAGT 180
|||||
QY 181 SYRNVLQAAATQKSLKDPSPNNFRLHNGRSKEORLKEQLGAQOEPVKKSIOESEAFLOPIS 240
|||||
DB 181 SYRNVLQAAATQKSLKDPSPNNFRLHNGRSKEORLKEQLGAQOEPVKKSIOESEAFLOPIS 240
|||||
QY 241 EERYKMKSKPLGICLIIDICIGNETELLRTDFTTSLGYEVQKFLHLSMHGISOILGQFACMP 300
|||||
DB 241 EERYKMKSKPLGICLIIDICIGNETELLRTDFTTSLGYEVQKFLHLSMHGISOILGQFACMP 300
|||||
QY 301 EHRDYDSFVCLVSRGGSQSVYGVQDTHSGPLHRIHRRMFMDGSCPYLAGKPKMFFIYQNY 360
|||||
DB 301 EHRDYDSFVCLVSRGGSQSVYGVQDTHSGPLHRIHRRMFMDGSCPYLAGKPKMFFIYQNY 360
|||||
QY 361 VSEGOLENSLLLEVDPGAMKNVEFKAQKRGCTVHREADFFWSLCTADMSLLEQSHSSP 420
|||||
DB 361 VSEGOLENSLLLEVDPGAMKNVEFKAQKRGCTVHREADFFWSLCTADMSLLEQSHSSP 420
|||||
QY 421 SLVYLQCLSKLROERKRLDHLIELNGYMDNSRVSAKEYYVWLOHTLRKKLILSYT 480
|||||
DB 421 SLVYLQCLSKLROERKRLDHLIELNGYMDNSRVSAKEYYVWLOHTLRKKLILSYT 480
|||||
```

RESULT 4

```
US-09-410-194-12
; Sequence 12, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean-Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-410-194-12

Query Match 63.9%; Score 1580; DB 10; Length 481;
Best Local Similarity 66.9%; Pred. No. 8.9e-125;
Matches 322; Conservative 56; Mismatches 97; Indels 6; Gaps 4;
```

```
QY 1 MSAEVTHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDLTLRERKLSVGDLAELLY 60
|||||
```

```
DB 6 VSAEVIHQVEECLDEDEKEMMLFLCRDVTENLAAPNVRDLDLSLSERGQLSFATLAELLY 65
|||||
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLLFLMKDYM 120
|||||
DB 66 RVRFDLLKRLKMDRKATVEDHLLRNPHLVSDYRVLLMEIGESLDQNDVSSVFLTRDVT 125
|||||
QY 121 GRGKISKESKSFLLVVELEKLNLVAPDQLLEKCLKNHRIHRIIDLTKTKIYKOSVOCAGT 180
|||||
DB 126 GRGKISKESKSFLLVVELEKLNLVAPDQLLEKCLKNHRIHRIIDLTKTKIYKOSVOCAGT 180
|||||
QY 181 SYRNVLQAAATQKSLKDPSPNNFRLHNGRSKEORLKEQLGAQOEPVKKSIOESEAFLOPIS 239
|||||
DB 185 SNMNTLQASLPKLSIK---YNSFLONGRSKEPRFVEYROSQRTLVKTSIOESGAFPLPHI 241
|||||
QY 240 PEERYKMKSKPLGICLIIDICIGNETELLRTDFTTSLGYEVQKFLHLSMHGISOILGQFACM 299
|||||
DB 242 REETRMQSKPLGICLIIDICIGNETKYLOETFTSLGYHQLFLFPKSHDITQIVRRYASM 301
|||||
QY 300 PEHRDYDSFVCLVSRGGSQSVYGVQDTHSGPLHRIHRRMFMDGSCPYLAGKPKMFFIYQNY 359
|||||
DB 302 AQHODYDSFVCLVSRGGSQSVYGVQDTHSGPLHRIHRRMFMDGSCPYLAGKPKMFFIYQNY 361
|||||
QY 360 YVSEGOLENSLLLEVDPGAMKNVEFKAQKRGCTVHREADFFWSLCTADMSLLEQSHSS 419
|||||
DB 362 YESLGSOLEDS--LEVDPGSIKNVDSKPLQPRCHCTTHPEADIFWSLCTADVSHLEKPS 420
|||||
QY 420 PSYVLQCLSKLROERKRLDHLIELNGYMDNSRVSAKEYYVWLOHTLRKKLILSYT 479
|||||
DB 421 SSVYLQCLSKLROERKRLDHLIELNGYMDNSRVSAKEYYVWLOHTLRKKLILSYT 480
|||||
QY 480 T 480
DB 481 T 481
```

RESULT 5

```
US-09-410-194-19
; Sequence 19, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean-Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-410-194-19

Query Match 63.9%; Score 1580; DB 10; Length 481;
Best Local Similarity 66.9%; Pred. No. 8.9e-125;
Matches 322; Conservative 56; Mismatches 97; Indels 6; Gaps 4;
```

```
QY 1 MSAEVTHQVEEALDTDEKEMMLFLCRDVAIDVPPNVRDLDLTLRERKLSVGDLAELLY 60
|||||
```

Db 6 VSAEVIHOVEECLDEDEKEMFLFCRDVTENLAAPNVRDLDSLSEKQSFATLAEALY 65
Qy 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMKDYM 120
Db 66 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMKDYM 125
Qy 121 GRGKISKEKSPDLVVELEKLNVAPODLLEKLNHRIIDLKTKIKYKQSQGAGT 180
Db 126 GRGKIAKDKSPDLVVELEKLNVAPODLLEKLNHRIIDLKTKIKYKQSQGAGT 184
Qy 191 SYRNVLAQAIQK-SLKDPSNNFRLHNGRSKEORLKEQLGAQOEPPVKYSIQSEAFPLP 239
Db 185 SNMNTLAQSLPKLSIK---YNSRLQNGRSKEPRFEYRDSDORTLVKTSIQSGAFPLP 241
Qy 240 PEERYKMKSPGLCLIIDCIGNETELRLDFTSLGVEVOKFLHLSMHGISOILGQACM 299
Db 242 REETRMQSKPLGCLIIDCIGNETELRLDFTSLGVEVOKFLHLSMHGISOILGQACM 301
Qy 300 PEHRDYSFVCLVSRGSSQSVYGDQTHSGPLRHHIRRMFGDSCPYLAGKPKMFFIQN 359
Db 302 AOHQDYSFVCLVSRGSSQSVYGDQTHSGPLRHHIRRMFGDSCPYLAGKPKMFFIQN 361
Qy 360 YVSEGLQSLSS-LEVDPGSKKNVDSKPLQPRHCTHPEADIFWSLCTADVSHLEKPS 419
Db 362 YESLQSLSS-LEVDPGSKKNVDSKPLQPRHCTHPEADIFWSLCTADVSHLEKPS 420
Qy 420 PSLVQLQSLQKLRERKPLDLHLIELNGYMYDNMSRVSAREKYYVNLQHTLRKKLI 479
Db 421 SSVSVLQSLQKLRERKPLDLHLIELNGYMYDNMSRVSAREKYYVNLQHTLRKKLI 480
Qy 480 T 480
Db 481 T 481

RESULT 6
US-10-005-921-2
; Sequence 2, Application US/10005921
; Patent No. US20020174450A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Keith D.
; APPLICANT: Leviten, Michael W.
; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CASH GENE
; FILE REFERENCE: R-714
; CURRENT APPLICATION NUMBER: US/10/005,921
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US 60/254,902
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-005-921-2

Query Match 63.4%; Score 1568.5; DB 9; Length 484;
Best Local Similarity 66.5%; Pred. No. 8.3e-124;
Matches 322; Conservative 56; Mismatches 97; Indels 9; Gaps 5;
Qy 1 MSAEVIHOVEECLDEDEKEMFLFCRDVTENLAAPNVRDLDSLSEKQSFATLAEALY 60
Db 6 VSAEVIHOVEECLDEDEKEMFLFCRDVTENLAAPNVRDLDSLSEKQSFATLAEALY 65
Qy 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMK 117
Db 66 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMK 125
Qy 118 DYMGRKISKEKSPDLVVELEKLNVAPODLLEKLNHRIIDLKTKIKYKQSQGAGT 177
Db 126 DYMGRKISKEKSPDLVVELEKLNVAPODLLEKLNHRIIDLKTKIKYKQSQGAGT 185

Qy 178 AGTYRNVLAQAIQK-SLKDPSNNFRLHNGRSKEORLKEQLGAQOEPPVKYSIQSEAFPLP 236
Db 186 A-RNMNTLAQSLPKLSIK---YNSRLQNGRSKEPRFEYRDSDORTLVKTSIQSGAFPLP 241
Qy 237 OSPEERYKMKSPGLCLIIDCIGNETELRLDFTSLGVEVOKFLHLSMHGISOILGQ 296
Db 242 PHIREETRMQSKPLGCLIIDCIGNETELRLDFTSLGVEVOKFLHLSMHGISOILGQ 301
Qy 297 ACMEHRDYSFVCLVSRGSSQSVYGDQTHSGPLRHHIRRMFGDSCPYLAGKPKMFF 356
Db 302 ASMAHQDYSFVCLVSRGSSQSVYGDQTHSGPLRHHIRRMFGDSCPYLAGKPKMFF 361
Qy 357 IONTVWSEGLQSLSS-LEVDPGSKKNVDSKPLQPRHCTHPEADIFWSLCTADVSHLEK 416
Db 362 IONTVWSEGLQSLSS-LEVDPGSKKNVDSKPLQPRHCTHPEADIFWSLCTADVSHLEK 420
Qy 417 HSSPSLYLQSLQKLRERKPLDLHLIELNGYMYDNMSRVSAREKYYVNLQHTLRKKLI 476
Db 421 SSSSVLQSLQKLRERKPLDLHLIELNGYMYDNMSRVSAREKYYVNLQHTLRKKLI 480
Qy 477 LSYT 480
Db 481 LAPT 484

RESULT 7
US-09-410-194-15
; Sequence 15, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Immler, Marten
; APPLICANT: Hanne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-15

Query Match 40.7%; Score 1007; DB 10; Length 221;
Best Local Similarity 99.5%; Pred. No. 4.3e-77;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSAEVIHOVEECLDEDEKEMFLFCRDVTENLAAPNVRDLDSLSEKQSFATLAEALY 60
Db 1 MSAEVIHOVEECLDEDEKEMFLFCRDVTENLAAPNVRDLDSLSEKQSFATLAEALY 60
Qy 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMKDYM 120
Db 61 RVRFDLLKRLKMDKRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMKDYM 120
Qy 121 GRGKISKEKSPDLVVELEKLNVAPODLLEKLNHRIIDLKTKIKYKQSQGAGT 180

```

Query Match 18.9%; Score 465; DB 10; Length 93;
Best Local Similarity 100.0%; Pred. No. 4.6e-32;
Matches 93; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSAEVIHQVEALDTDEKMLFLFCRDVAIDVPPNVRDLLILREKGLSVGDLAELLY 60
Db 1 MSAEVIHQVEALDTDEKMLFLFCRDVAIDVPPNVRDLLILREKGLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLYSDY 93
Db 61 RVRFDLLKRLKMDRKAVETHLLRNPHLYSDY 93

```

```
RESULT 10
US-09-410-194-20
; Sequence 20, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Irmeler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean-Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 479
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-20

Query Match      16.6%   Score 410;   DB 10;   Length 479;
Best Local Similarity 26.1%   Pred. No. 1.9e-26;
Matches 137;   Conservative 106;   Mismatches 172;   Indels 110;   Gaps 22;

Qy  6  IHQVEALDTDEKEMLFACRDVAIDVVPN---VRDLDI---LREKGLSVGDIA-- 56
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  7  LYDGEOLDSDLASLFL---SLDIPQKQPIKDALMLFORLQEKRMLESLSFL 62

Qy  57 -ELAYRVRRLKRLKMDKAVETHLLRNP--HLVSDYRVLMAEIGEDLDKSDVSLI 113
    ||| : : ||| : : : : : : : : : : : : : : : : : : : : :
Db  63 KELLFRINRLDLLTYLNTREEMERE-LQTPGQRAQISAYRVMLYQISEEVSRLSFK 121

Qy  114 FLMDYMGKRIKSEKSFLLVVELEKLNVLAPQDLLEKLNHRIIDLKTKIYKQ 173
    ||| : : : : : : : : : : : : : : : : : : : : : :
Db  122 FLQGEISKCLDDMLLDIFIEKRVILGEGKLDILKRVCAQINKSLKI-INDYEE 180

Qy  174 -----SVQAGTYSYRNVLQAAQTKSLKDPNNFRLHNGSKSEORLKEQLGAQOEPVK 226
    : : : : : : : : : : : : : : : : : : : : : :
Db  181 FSKERSSSLEGSPDEFSGEELCGVMTISDPSRE-----NETEL--- 214

Qy  227 SIOSEAFLOSIPEERYKMKSPGLICLIIDCIG-----NETEL--- 266
    : : : : : : : : : : : : : : : : : : : : : :
Db  215 --QDSE---QTL-DKVIQMKSRPGVCLINNHNFAKAREKVPKLSIRDNRNTHLDAG 268

Qy  267 -LRDTFTSLGVEQKFLHLSHGHISQILGOFACMPHEHDYDSFVCLVSRGSGSVYGVGD 325
    ||| : : : : : : : : : : : : : : : : : : : : : :
Db  269 ALTTTFEELHEIPKPHDDCTVEQIYEILKYLQLM-DHSNMDCFICILSHGDKGIIVGTD 327

Qy  326 QTHSGPLHHTRRFMGDCSPYLAGKPKMFFIQ-----NY---VVSQGLSNSLLEVD- 376
    : : : : : : : : : : : : : : : : : : : : : :
Db  328 GQEA--PIYELTSTQTLGKPCSLAGKPKVFFIQACQGDNYQKGPVETDSEEQPYLEMDL 385

Qy  377 -GPAKVVFAQRGLCTVHREDFWLSLCTADMSLLEQSHSSPSLYLQCLSKLRQE- 434
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Db  386 SSPQTRIP-----DEADFLIGMATVNCVSYNPAEGTWYIOSLCSLRERC 433

Qy  435 -RKRPPLDLHTELNGMYDMNSVSAKE--KYVVLQHTLRKKLI 476
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Db  434 PRGDDILTILTEVN---YEVSNKDDKNMGKQMPQPTFTLRKKLY 475

RESULT 11
US-09-864-761-35073
; Sequence 35073, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anncmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 35073
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: MAP TO AC007283.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.4
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.9
; OTHER INFORMATION: EST_HUMAN HIT: A1139524.1, EVALUATE 2.00e-38
US-09-864-761-35073

Query Match      15.7%   Score 389;   DB 10;   Length 76;
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Db 240 NFAKAREKVPKLSIRDNRGTHLDAGALTTFEELHFEIKPHDCTVBEQIYEILKIYQLM 299
Qy 300 PEHRDYSFVCLVSRGSSQSVYGVDOHSLPLHHRMFMGDCSPYLAGKPKMFFIQ- 358
Db 300 -DHSNMDCCFICILLSHGDKGIYGTGQEA--PIYELTSQFTGLKCPSLAGKPKVFFIQA 356
Qy 359 ---NY---VYSEGOLENSLSLEVD--GPAMKNVEFKAQKRGCLTVHREADFWSLCTAD 409
Db 357 COGNYQKGIPEVDSQPYLEMDLSPQTRYIP-----DEADFLGMATVN 404
Qy 410 MSLEQSHSSPSLYLQCSOKLROE--RKRPLLDLHIELNGYMYDWNRSVSAKE--KYVV 465
Db 405 NCVSYRNPACTWTIOSLQSLRRCRPRGDDILTILTEVN---YEVSNKDKKNGKOMP 461
Qy 466 WLOHTLRKKLI 476
Db 462 OPTTLRKKLV 472

RESULT 14
; Sequence 2, Application US/09962834A
; Patent No. US20020034813A1
; GENERAL INFORMATION:
; APPLICANT: Bowman, Michael
; TITLE OF INVENTION: NOVEL PROTEASE
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/962,834A
; FILING DATE: 25-Sep-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/675,123
; FILING DATE: 1996-07-03
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; REFERENCE/DOCKET NUMBER: G15276
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-3851
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 521 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-962-834A-2
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Query Match 13.18; Score 323.5; DB 10; Length 521;
Best Local Similarity 26.98; Pred. No. 4.1e-19;
Matches 131; Conservative 77; Mismatches 204; Indels 75; Gaps 19;
Qy 9 VEEALDTDEKEMLLFLCRDVAIDVVP-----PNVRDLDLRLRERKLSVGD---LAEL 58
Db 27 IDSNLGVQDVENLFLC-----IGLVPNKKLEKSSASDVFEHLAEDLLSEDPFFLAEL 82
Qy 59 LYRVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLQKSDVSSLIIFLMKD 118
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Db 83 LYIIRQKLLQH-LNCTKEEVE-RLLPTRQVSLFRNLLYELSEGIDSENKMDIFLKD 140
Qy 119 YMGGRKTSKESFLDLVVELEKLNLYAPDQDLLE-----KCLKNHRIIDLTKIQ- 169
Db 141 SLPK-----TENTSLSFLAFLEKQKQKIDEDNLTCLDLCKTVVVKLLRNIEKYKREKAIOI 196
Qy 170 -----KYKQSVQV-----AGTSYRNVLQAAIOKSLKDP-----SNNFRLHNGRSKEORLKE 215
Db 197 VTPPVKREASYQGEELVYSQTDVKTFLLEALPQESQWKNHAGSNGNRATNG-APSLVSRG 255
Qy 216 OLGAQQEPVKKSIOESEAFIPQSIPEERYKMKSPKLGICLI-----DCIG--NET 264
Db 256 MQGASANTLNSSETSKRAAV-----YRMRNRHRLGCLVIVNNHSTFTSLADROCTHKDA 307
Qy 265 ELLRDTFTSLGYEQKFLHLSMHGISQILGQFACMPEHRDYDSFVCLVSRGSSQSVYGV 324
Db 308 EILSHVFWMLGFTVHHNNVTKMEMVMVLOKCNPAHADGCFVFCILTHGRFGAVYSS 367
Qy 325 DQTHSGPLRHHRMFMGDCSPYLAGKPKMFFIYVYVSEG-OLENSLSLEVDGPAMKNV 383
Db 368 DE--ALIPREIMSHFTALQCPRLAEKPKLFFIQ---ACQGEETQPSVSIADALNPEQA 422
Qy 384 EFKAQKRGCLTVHREADFWSLCTADMSLLEQSHSSPSLYLQCSOKLRO--ERKRPLLD 441
Db 423 PTLQD-----SIPAEADFLGLATVPGVVSFRHVEEGSMYIQLCNHLKLVPRMLKFL 478
Qy 442 LHIELNG 448
Db 479 KTMIEIRG 485

RESULT 15
US-09-410-194-21
; Sequence 21, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschoopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Imler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schreiter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean-Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 571
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-410-194-21
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Query Match 13.18; Score 323.5; DB 10; Length 571;
Best Local Similarity 26.98; Pred. No. 4.6e-19;
Matches 131; Conservative 77; Mismatches 204; Indels 75; Gaps 19;
Qy 9 VEEALDTDEKEMLLFLCRDVAIDVVP-----PNVRDLDLRLRERKLSVGD---LAEL 58
Db 27 IDSNLGVQDVENLFLC-----IGLVPNKKLEKSSASDVFEHLAEDLLSEDPFFLAEL 82
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QY 59 LYVRFEDLLKRLKKMDRAVETHLLRNPHLVSDYRVLMABIGEDLDKSDVSSLIFLMKD 118
Db 83 LYTIROKLLQH-LNCTKEVE-RLLPTRQVSLFRNLLYELSEGIDSENLDKMIFFLKD 140
QY 119 YMGGRKISKEKSFLLVVELEKLNVLVAPQOLDLE-----KCLKNHHRIDLKTKIQ- 169
Db 141 SLPK-----TEMISLFLAEKQKIDEDNLCTLEDLCKTVVPKLLRNIEKYKREKAIQI 196
QY 170 -----KYKQVOG-----AGTSYRNVLQAAIQSLKDP---SNNFRLHNGRSKEORLKE 215
Db 197 VTPPVDKAEESYQGEELVSQTDVKTFLALPOESQNKHAGSNGNRATNG-APSLVSRG 255
QY 216 QLCQAQEPYKKSIOESEAFLPQSIPEERYKMKSKPLGICLII-----DCIG--NET 264
Db 256 MOGASANTLNSETSTKRAAV-----YRMRNHRGLCVIVNNHSFTSLKDRQGTBKDA 307
QY 265 ELIRDFTTSLGYEVQKFLHLSMHGISOILQGFACMEHREDYDSFVCLVLSRGSQSIVGV 324
Db 308 EILSHVFWLGFVTHHNVTKVEMEMVLQKQKCNPAHADGDCFVFCILTHGREGAVYS 367
QY 325 DQTHSGLPLHHIRRMFGDSCPYLACKPKMFFTONYVYVSEG-OLENSSLLEVDGPAMKNV 383
Db 368 DE--ALIPIREIMSHFTALQCPRLAEKPKLFFIQ---ACQGEIQPSVSTEADALNPEQA 422
QY 384 EFKAKRGCLTVHREADPFWSLCTADMSLLEQSHSSPSLYLQCLSKLRQ--ERKRPLLD 441
Db 423 PTLQD-----SIPAEADFLGLATVPGYVSFRHVEEGSWYIOSLCNHLKRLVPRMLKFL 478
QY 442 LHIELNG 448
Db 479 KTMEIRG 485

Search completed: April 12, 2003, 22:40:49
Job time : 22.2268 secs

GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: April 12, 2003, 20:50:13 ; Search time 19.8573 Seconds
(without alignments)
711.223 Million cell updates/sec

Title: US-09-380-546A-2
Perfect score: 2473
Sequence: 1 MSAEVIHQVEALDTDEKEM.....EKYVWLQHTLRKLLSYT 480

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 08
Maximum Match 1008
Listing first 45 summaries

Database : Issued Patents.AA.*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
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4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCTUS.COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2468	99.8	480	4	US-08-795-088A-2
2	2412	97.5	480	4	US-09-069-023-34
3	2265.5	91.6	445	3	US-08-859-167-2
4	2265.5	91.6	445	3	US-09-109-273-2
5	2265.5	91.6	445	4	US-09-276-993-2
6	1007	40.7	221	4	US-09-382-155-17
7	1007	40.7	221	4	US-09-074-044A-17
8	417	16.9	84	4	US-09-074-044A-2
9	410	16.6	479	4	US-08-983-502-7
10	410	16.6	479	5	PCT-US96-10521-7
11	408	16.5	479	2	US-08-807-200-12
12	408	16.5	479	4	US-09-001-777-12
13	406	16.4	479	3	US-08-852-782-3
14	404.5	16.4	464	4	US-08-983-502-18
15	404.5	16.4	464	5	PCT-US96-10521-18
16	403	16.3	84	4	US-09-382-155-2
17	403	16.3	479	4	US-09-382-155-28
18	403	16.3	479	4	US-09-074-044A-27
19	403	16.3	479	4	US-09-074-044A-28
20	400	16.2	479	4	US-09-074-044A-26
21	397	16.1	479	4	US-09-382-155-27
22	392	15.9	479	4	US-09-382-155-26
23	384	15.5	78	4	US-09-382-155-1
24	384	15.5	78	4	US-09-074-044A-1
25	381.5	15.4	496	1	US-08-665-220-4
26	381.5	15.4	496	4	US-09-291-692-4
27	370.5	15.0	476	4	US-09-561-756-27

28	370.5	15.0	476	4	US-09-227-721-27	Sequence 27, Appl
29	329	13.3	389	2	US-08-618-408B-4	Sequence 4, Appl
30	318.5	12.9	479	1	US-08-665-220-2	Sequence 2, Appl
31	318.5	12.9	479	4	US-09-291-692-2	Sequence 2, Appl
32	318.5	12.9	479	4	US-09-561-756-33	Sequence 33, Appl
33	318.5	12.9	479	4	US-09-227-721-33	Sequence 33, Appl
34	274	11.1	335	4	US-08-983-502-16	Sequence 16, Appl
35	274	11.1	335	5	PCT-US96-10521-16	Sequence 16, Appl
36	246.5	10.0	286	4	US-09-360-017-1	Sequence 1, Appl
37	231.5	9.4	241	4	US-09-382-155-21	Sequence 21, Appl
38	231.5	9.4	241	4	US-09-074-044A-21	Sequence 21, Appl
39	230.5	9.3	346	2	US-08-618-408B-2	Sequence 2, Appl
40	225.5	9.1	277	4	US-08-983-502-8	Sequence 8, Appl
41	225.5	9.1	277	5	PCT-US96-10521-8	Sequence 8, Appl
42	224.5	9.1	266	4	US-08-983-502-20	Sequence 20, Appl
43	224.5	9.1	266	5	PCT-US96-10521-20	Sequence 20, Appl
44	220	8.9	261	4	US-08-983-502-25	Sequence 25, Appl
45	220	8.9	261	5	PCT-US96-10521-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-08-795-088A-2
; Sequence 2, Application US/08795088A
; Patent No. 6242569
; GENERAL INFORMATION:
; APPLICANT: Sul, Hong-Bing
; APPLICANT: Goedel, David V.
; TITLE OF INVENTION: Regulators of Apoptosis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Science & Technology Law Group
; STREET: 75 Denise Drive
; CITY: Hillsborough
; STATE: California
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/08/795.088A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
US-08-795-088A-2

Query Match 99.8%; Score 2468; DB 4; Length 480;
Best Local Similarity 99.8%; Pred. No. 1e-230;
Matches 479; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSAEVIHQVEALDTDEKEMLLFLCRDVAIDVPPNVRDLDIRERKLSVGDIAELLY 60
Db 1 MSAEVIHQVEALDTDEKEMLLFLCRDVAIDVPPNVRDLDIRERKLSVGDIAELLY 60
Qy 61 RVRRLDLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSLIFLMKQYM 120

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Db 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLVVELEKLNLVAPDQDLLEKLNKNIHRIDLTKTKIYKQSVOGAGT 180
Db 121 GRGKISKEKSFLLVVELEKLNLVAPDQDLLEKLNKNIHRIDLTKTKIYKQSVOGAGT 180
QY 181 SYRNVLQAAIOKSLKDPNNFRLHNGRSKEORLEQGAQOEPPVKKSIOESEAFPLQPSIP 240
Db 181 SYRNVLQAAIOKSLKDPNNFRLHNGRSKEORLEQGAQOEPPVKKSIOESEAFPLQPSIP 240
QY 241 EERYKMKSKPLGICLIIDICIGNETELLRTDFTSLGVEVQKFLHLSMHGISOILGQFACMP 300
Db 241 EERYKMKSKPLGICLIIDICIGNETELLRTDFTSLGVEVQKFLHLSMHGISOILGQFACMP 300
QY 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGLPLHHIRRMFMGDSQPCYLAGKPKMFFIQNY 360
Db 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGLPLHHIRRMFMGDSQPCYLAGKPKMFFIQNY 360
QY 361 VVSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
Db 361 VVSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
QY 421 SLYLQCLSQKLRQERRKRLPLDLHLIELNGYMYDWNRSVSAKEKYVWLOHTLRKKLILSYT 480
Db 421 SLYLQCLSQKLRQERRKRLPLDLHLIELNGYMYDWNRSVSAKEKYVWLOHTLRKKLILSYT 480

RESULT 2
US-09-069-023-34
; Sequence 34, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069, 023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 34
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-34

not in db

Query Match 97.5%; Score 2412; DB 4; Length 480;
Best Local Similarity 97.7%; Pred. No. 2.7e-225;
Matches 469; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEALDTEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
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QY 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLVVELEKLNLVAPDQDLLEKLNKNIHRIDLTKTKIYKQSVOGAGT 180
Db 121 GRGKISKEKSFLLVVELEKLNLVAPDQDLLEKLNKNIHRIDLTKTKIYKQSVOGAGT 180
QY 181 SYRNVLQAAIOKSLKDPNNFRLHNGRSKEORLEQGAQOEPPVKKSIOESEAFPLQPSIP 240
Db 181 SYRNVLQAAIOKSLKDPNNFRLHNGRSKEORLEQGAQOEPPVKKSIOESEAFPLQPSIP 240
QY 241 EERYKMKSKPLGICLIIDICIGNETELLRTDFTSLGVEVQKFLHLSMHGISOILGQFACMP 300
Db 241 EERYKMKSKPLGICLIIDICIGNETELLRTDFTSLGVEVQKFLHLSMHGISOILGQFACMP 300

QY 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGLPLHHIRRMFMGDSQPCYLAGKPKMFFIQNY 360
Db 301 EHRDYDSFVCLVSRGSGSVYGVQDTHSGLPLHHIRRMFMGDSQPCYLAGKPKMFFIQNY 360
QY 361 VVSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
Db 361 VVSEGOLENSLLEVDGPAKNVFEKAKRGCLCTVHREADFFWSLCTADMSLLEQSHSSP 420
QY 421 SLYLQCLSQKLRQERRKRLPLDLHLIELNGYMYDWNRSVSAKEKYVWLOHTLRKKLILSYT 480
Db 421 SLYLQCLSQKLRQERRKRLPLDLHLIELNGYMYDWNRSVSAKEKYVWLOHTLRKKLILSYT 480

RESULT 3
US-08-859-167-2
; Sequence 2, Application US/08859167
; Patent No. 6037461
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6037461Iris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/859,167
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-859-167-2

Query Match 91.6%; Score 2265.5; DB 3; Length 445;
Best Local Similarity 92.5%; Pred. No. 3.8e-211;
Matches 444; Conservative 1; Mismatches 0; Indels 35; Gaps 1;

QY 1 MSAEVIHQVEALDTEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
Db 1 MSAEVIHQVEALDTEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERKLSVGDLAELLY 60
QY 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
Db 61 RVRFDLLKRLKMDRAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFLLVVELEKLNLVAPDQDLLEKLNKNIHRIDLTKTKIYKQSVOGAGT 180
Db 121 GRGKISKEKSFLLVVELEKLNLVAPDQDLLEKLNKNIHRIDLTKTKIYKQSVOGAGT 180
QY 181 SYRNVLQAAIOKSLKDPNNFRLHNGRSKEORLEQGAQOEPPVKKSIOESEAFPLQPSIP 240
Db 181 SYRNVLQAAIOKSLKDPNNFRLHNGRSKEORLEQGAQOEPPVKKSIOESEAFPLQPSIP 240

Db 181 SYRNVQAATQKSLKDPNNFR-----SIP 205
QY 241 EERYKMKSPGLGICLIDICIGNETELLRTFTSLGYEVOKFLHLSMHGISOILGQFACMP 300
Db 206 EERYKMKSPGLGICLIDICIGNETELLRTFTSLGYEVOKFLHLSMHGISOILGQFACMP 265
QY 301 EHRDYDSFVCLVSRGSGSVYGVDDQTHSGLPLHHRMFMGDCPCYLAGKPKMFFIQNY 360
Db 266 EHRDYDSFVCLVSRGSGSVYGVDDQTHSGLPLHHRMFMGDCPCYLAGKPKMFFIQNY 325
QY 361 VVSEGOLESLLLEVDGPAMKNVEFKAQRGLCTVHREADFFWLSLCTADMSLLEQSHSSP 420
Db 326 VVSEGOLESLLLEVDGPAMKNVEFKAQRGLCTVHREADFFWLSLCTADMSLLEQSHSSP 385
QY 421 SLYLQCLSQKLRQERKRPDLHLHIELNGYMYDMNSRVSAREKYYVWLQHTLRKKLILSYT 480
Db 386 SLYLQCLSQKLRQERKRPDLHLHIELNGYMYDMNSRVSAREKYYVWLQHTLRKKLILSYT 445

RESULT 4
US-09-109-273-2
; Sequence 2, Application US/09109273
; Patent No. 6063760
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6063760ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/109,273
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-109-273-2

Query Match 91.6%; Score 2265.5; DB 3; Length 445;
Best Local Similarity 92.5%; Pred. No. 3.8e-211;
Matches 444; Conservative 1; Mismatches 0; Indels 35; Gaps 1;

QY 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPPNVRDLTLRERKLSVGDIAELLY 60
Db 1 MSAEVIHQVEEALDTDEKEMLLFLCRDVAIDVVPPNVRDLTLRERKLSVGDIAELLY 60
QY 61 RVRRDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120

Db 61 RVRRDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIPLMKDYM 120
QY 121 GRGKISKEKSFDFLVVLEKELNLVAPDQDLLEKCLKNHRIIDLTKTKIOKYKQSVQAGT 180
Db 121 GRGKISKEKSFDFLVVLEKELNLVAPDQDLLEKCLKNHRIIDLTKTKIOKYKQSVQAGT 180
QY 181 SYRNVQAATQKSLKDPNNFR-----SIP 205
Db 181 SYRNVQAATQKSLKDPNNFR-----SIP 205
QY 241 EERYKMKSPGLGICLIDICIGNETELLRTFTSLGYEVOKFLHLSMHGISOILGQFACMP 300
Db 206 EERYKMKSPGLGICLIDICIGNETELLRTFTSLGYEVOKFLHLSMHGISOILGQFACMP 265
QY 301 EHRDYDSFVCLVSRGSGSVYGVDDQTHSGLPLHHRMFMGDCPCYLAGKPKMFFIQNY 360
Db 266 EHRDYDSFVCLVSRGSGSVYGVDDQTHSGLPLHHRMFMGDCPCYLAGKPKMFFIQNY 325
QY 361 VVSEGOLESLLLEVDGPAMKNVEFKAQRGLCTVHREADFFWLSLCTADMSLLEQSHSSP 420
Db 326 VVSEGOLESLLLEVDGPAMKNVEFKAQRGLCTVHREADFFWLSLCTADMSLLEQSHSSP 385
QY 421 SLYLQCLSQKLRQERKRPDLHLHIELNGYMYDMNSRVSAREKYYVWLQHTLRKKLILSYT 480
Db 386 SLYLQCLSQKLRQERKRPDLHLHIELNGYMYDMNSRVSAREKYYVWLQHTLRKKLILSYT 445

RESULT 5
US-09-276-993-2
; Sequence 2, Application US/09276993
; Patent No. 6207801
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6207801ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/276,993
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-276-993-2

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Query Match          91.6%; Score 2265.5; DB 4; Length 445;
Best Local Similarity 92.5%; Pred. No. 3.8e-211;
Matches 444; Conservative 1; Mismatches 0; Indels 35; Gaps 1;

QY 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRGLKSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRGLKSVGDLAELLY 60

QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFFLMKDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFFLMKDYM 120

QY 121 GRGKISKEKSFLLDVVLEKLNIVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLDVVLEKLNIVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180

QY 181 SYRNVLOAAIQKSLKDPSPNNFRM 240
DB 181 SYRNVLOAAIQKSLKDPSPNNFRM 240

QY 181 SYRNVLOAAIQKSLKDPSPNNFR 205
DB 181 SYRNVLOAAIQKSLKDPSPNNFR 205

QY 241 EERYKMKSPGLICLIIDICIGNETELLRTDFTSLGYEVQKFLHLSMHGISOILGQFACMP 300
DB 241 EERYKMKSPGLICLIIDICIGNETELLRTDFTSLGYEVQKFLHLSMHGISOILGQFACMP 300

QY 206 EERYKMKSPGLICLIIDICIGNETELLRTDFTSLGYEVQKFLHLSMHGISOILGQFACMP 265
DB 206 EERYKMKSPGLICLIIDICIGNETELLRTDFTSLGYEVQKFLHLSMHGISOILGQFACMP 265

QY 301 EHRDYSFVCLVSRGSSQSVYGVQDTHSGPLPLHHIRRMFMGDSQPYLAGKPKMFTIQNY 360
DB 301 EHRDYSFVCLVSRGSSQSVYGVQDTHSGPLPLHHIRRMFMGDSQPYLAGKPKMFTIQNY 360

QY 266 EHRDYSFVCLVSRGSSQSVYGVQDTHSGPLPLHHIRRMFMGDSQPYLAGKPKMFTIQNY 325
DB 266 EHRDYSFVCLVSRGSSQSVYGVQDTHSGPLPLHHIRRMFMGDSQPYLAGKPKMFTIQNY 325

QY 361 VSEGOLENSLAEVQGPAMKNVEFFKAQKRGCTVHREADFFWSLCTADMSLLEQSHSSP 420
DB 361 VSEGOLENSLAEVQGPAMKNVEFFKAQKRGCTVHREADFFWSLCTADMSLLEQSHSSP 420

QY 326 VSEGOLENSLAEVQGPAMKNVEFFKAQKRGCTVHREADFFWSLCTADMSLLEQSHSSP 385
DB 326 VSEGOLENSLAEVQGPAMKNVEFFKAQKRGCTVHREADFFWSLCTADMSLLEQSHSSP 385

QY 421 SLVQLCSQKLRQERRPLDLHLIELNGYMDNSRSYSAKEKYVWMLQHTLRKKLILSYT 480
DB 386 SLVQLCSQKLRQERRPLDLHLIELNGYMDNSRSYSAKEKYVWMLQHTLRKKLILSYT 445

RESULT 6
US-09-382-155-17
; Sequence 17, Application US/09382155B
; Patent No. 6160095
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY
; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NF-KB, JNK AND APOPTOSIS
; FILE REFERENCE: Chaudhary
; CURRENT APPLICATION NUMBER: US/09/382,155B
; CURRENT FILING DATE: 1999-08-24
; EARLIER FILING DATE: 1998-05-07
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-382-155-17

Query Match          40.7%; Score 1007; DB 4; Length 221;
Best Local Similarity 99.5%; Pred. No. 1.2e-89;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRGLKSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRGLKSVGDLAELLY 60

QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFFLMKDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFFLMKDYM 120

QY 121 GRGKISKEKSFLLDVVLEKLNIVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLDVVLEKLNIVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180

QY 181 SYRNVLOAAIQKSLKDPSPNNFR 203
DB 181 SYRNVLOAAIQKSLKDPSPNNFR 203

RESULT 8
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DB 121 GRGKISKEKSFLLDVVLEKLNIVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180
QY 181 SYRNVLOAAIQKSLKDPSPNNFR 203
DB 181 SYRNVLOAAIQKSLKDPSPNNFR 203

RESULT 7
US-09-074-044A-17
; Sequence 17, Application US/09074044A
; Patent No. 6207458
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY
; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NF-KB, JNK AND
; TITLE OF INVENTION: APOPTOSIS PATHWAYS AND METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSES: HOVEY, WILLIAMS, TIMMONS & COLLINS
; STREET: 2405 GRAND BLVD., SUITE 400
; CITY: MISSOURI
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/074,044A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: COLLINS, JOHN M
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 26588
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816/474-9050
; TELEFAX: 816/474-9057
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 221 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-074-044A-17

Query Match          40.7%; Score 1007; DB 4; Length 221;
Best Local Similarity 99.5%; Pred. No. 1.2e-89;
Matches 202; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRGLKSVGDLAELLY 60
DB 1 MSAEVIHQVEEALDTDEKMLFLCRDVAIDVVPNNRDLDTLRLRGLKSVGDLAELLY 60

QY 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFFLMKDYM 120
DB 61 RVRFDLLKRLKMDRKAVETHLLRNPHLVSDYRVLMMAEIGEDLDKSDVSSLIFFLMKDYM 120

QY 121 GRGKISKEKSFLLDVVLEKLNIVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180
DB 121 GRGKISKEKSFLLDVVLEKLNIVAPDQLDLEKCLKNHRIIDLTKTKIOKYKOSVOGAGT 180

QY 181 SYRNVLOAAIQKSLKDPSPNNFR 203
DB 181 SYRNVLOAAIQKSLKDPSPNNFR 203

RESULT 8
```

US-09-074-044A-2
; Sequence 2, Application US/09074044A
; Patent No. 6207458
; GENERAL INFORMATION:
; APPLICANT: CHAUDHARY, PREET M
; APPLICANT: HOOD, LEROY
; TITLE OF INVENTION: PROTEINS CAPABLE OF REGULATING NK-KB, JNK AND
; TITLE OF INVENTION: APOPTOSIS PATHWAYS AND METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
; STREET: 2405 GRAND BLVD., SUITE 400
; CITY: KANSAS CITY
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/074,044A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: COLLINS, JOHN M
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 26588
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816/474-9050
; TELEFAX: 816/474-9057
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 84 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-09-074-044A-2

Query Match 16.9%; Score 417; DB 4; Length 84;
Best Local Similarity 100.0%; Pred. No. 4.2e-33;
Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 90 VSDYRVLMAGIEDLDKSDVSSLIFLMKDYMGRGKISKEKSFLLDVLVVELEKLNVLAPDQL 149
DB 1 VSDYRVLMAGIEDLDKSDVSSLIFLMKDYMGRGKISKEKSFLLDVLVVELEKLNVLAPDQL 60

QY 150 DLLEKCLKNHRIIDLTKTKIQYKQ 173
DB 61 DLLEKCLKNHRIIDLTKTKIQYKQ 84

RESULT 9
US-08-983-502-7
; Sequence 7, Application US/08983502
; Patent No. 6399327
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; APPLICANT: Mark P. BOLDIN
; APPLICANT: Tanya M. GONCHAROV
; APPLICANT: Yury V. GOLTSOV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; TITLE OF INVENTION: AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington

STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 479 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-983-502-7

Query Match 16.6%; Score 410; DB 4; Length 479;
Best Local Similarity 26.1%; Pred. No. 3.1e-31;
Matches 137; Conservative 106; Mismatches 172; Indels 110; Gaps 22;

QY 6 IHQVEALDTDEKEMLLFLCROVAIDVVPN----VRDLDI---LRERKGLSVGDLA-- 56
DB 7 LYDIGQLDSEDLASLKL----SLDYIPQKOEPIKDALMLFQRLQEKRMLESNLSFL 62

QY 57 -ELLYRVRRFDLLKRLKMDKRAVETHLLRNP--HLVSDYRVLMAGIEDLDKSDVSSLI 113
DB 63 KELLFRINRLDLITLNTKREMERE-LQTPGQRAQISAYRVMLYQISEVSRSEURSK 121

QY 114 FLMKDYMGRGKISKEKSFLLDVLVVELEKLNVLAPDQLDLLEKCLKNHRIIDLTKTKIQYKQ 173
DB 122 FLQEEISKCKLDDNNLLDIFIEMEKRYVLGSGKLDILKRVCAQINKSLKLI-INDYEE 180

QY 174 -----SVQAGCTSYRNVLAQAIQKSLKDPNSNFRHLNGRSKEQRLKEQLGAQOEPVK 226
DB 181 FSKERSSSLEGSDFESNGEELCGVMTISDPSRE-----NETEL--- 214

QY 227 SIQSEAFLEPOSIPERYKMKKPLGICLIIDCIG-----NETEL--- 266
DB 215 --QDSSES---QTL-DKVTQMKSRPGYCLIIINHNFAKAREKVPKLUHSTRDRNGTHLDAG 268

QY 267 -LRDTFTSLGYEQKFLHLSMHGISOILGQFACMPHEDYDSFVCLVSRGGSQSYGYVD 325
DB 269 ALTTTFEELHFEIKPHDDCTVEQIYEILAIYQLM-DHSNMDCFICILSHGDKGIYGTD 327

QY 326 QTHSGPLHHIRRMFGDSCPYLAGPKMFFIQ-----NY---VVSQGLNSLSLEVD- 376
DB 328 GOEA--PIYELTSGTGLKCPKPKVFFIQACQDNYQKGPVETDSEEPYLEMDL 385
QY 377 -GPAMKNVEFKAKRGGLCTVHREADFWSLCTADMSLLEQSHSPSLYLQCLSKLRQE- 434
DB 386 SSPQTRIP-----DEADFLGGMATVNNVSYRPAEGTWYIQLCQSLRERC 433
QY 435 -RRPDLDLHNLNGYMYDMSRVSKE--KYYVWLOHTLRKKLI 476
DB 434 PRGDDILTILTEVN---YEVSNDKDKKMGKOMPQPTFTTLRKKLV 475

RESULT 10
PCT-US96-10521-7
; Sequence 7, Application PC/TUS9610521
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; NUMBER OF SEQUENCES: 34
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 479 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US96-10521-7

Query Match 16.6%; Score 410; DB 5; Length 479;
Best Local Similarity 26.1%; Pred. No. 3.1e-31;
Matches 137; Conservative 106; Mismatches 172; Indels 110; Gaps 22;

QY 6 IHQVEALDTDEKEMLLFLCRDVAIDVVPNN---VRDLIDI---LRERKLSVGDLA-- 56
DB 7 LYDGEQLDSEDLASLKF-----SLDIYQKQPKPKDALMFLORLQKRMLESNSFL 62

QY 57 -ELAYRVRFRDLKRLKMDKRAVETHLLRNP--HLVSDYRVLMAEIGEDLKDSDVSSLI 113
DB 63 KELLFRINRLDILLTYLNTREEMERE-LQTPGGAQISAYRVMLYQISEVSRSELSFK 121

QY 114 FLMDYMGKISKEKSPFLDWLEKLNVLVAPQDLLEKLEKLNHRIIDLTQIKYKQ 173
DB 122 FLQBEISKCKLDDNNLIDFIEMEKRVILGEGKLDLTKRCAQINKSLKI-INDYEE 180

QY 174 -----SVQAGTSYRNVLAQIOKSLKDPNNFRLNHSRKEORLKEQLGAQOEPVK 226
DB 181 FSKRSSLSGSPDEFSGNEELCGVMTISDPSR----- 214

QY 227 SIOSEAFLOPSIPEERYKMKSKPLGICLIIDCIG-----NETEL--- 266
DB 215 --QDSSES---QTL-DKYQNKSKPRGYCLLNNHNFKAKEKVPKLSIRDRNGTHLDAG 268
QY 267 -LRDTFTSLGYEVOKFLHLSMHGISOILGQFACMPHEDYDSFVCLVSRGGSQSVYGV 325
DB 269 ALTTTTEELHFEIKPHDCTVEQIYELKIYQLM-DHSNMDCFICCLSHGDKGIYGT 327
QY 326 QTHSGPLHHIRRMFGDSCPYLAGPKMFFIQ-----NY---VVSQGLNSLSLEVD- 376
DB 328 GOEA--PIYELTSGTGLKCPKPKVFFIQACQDNYQKGPVETDSEEPYLEMDL 385
QY 377 -GPAMKNVEFKAKRGGLCTVHREADFWSLCTADMSLLEQSHSPSLYLQCLSKLRQE- 434
DB 386 SSPQTRIP-----DEADFLGGMATVNNVSYRPAEGTWYIQLCQSLRERC 433
QY 435 -RRPDLDLHNLNGYMYDMSRVSKE--KYYVWLOHTLRKKLI 476
DB 434 PRGDDILTILTEVN---YEVSNDKDKKMGKOMPQPTFTTLRKKLV 475

RESULT 11
US-08-807-200-12
; Sequence 12, Application US/08807200
; Patent No. 5837837
; GENERAL INFORMATION:
; APPLICANT: Hunter, John J.
; APPLICANT: Shigjan, Andrew W.
; APPLICANT: Wong, Grace H.W.
; TITLE OF INVENTION: NOVEL FORMS OF CASPASE-8 AND
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/807,200
; FILING DATE: 27-FEB-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/021001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 479 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-807-200-12

Query Match 16.5%; Score 408; DB 2; Length 479;
Best Local Similarity 26.1%; Pred. No. 4.8e-31;
Matches 137; Conservative 105; Mismatches 173; Indels 110; Gaps 22;

QY 6 IHQVEALDTDEKEMLLFLCRDVAIDVVPNN---VRDLIDI---LRERKLSVGDLA-- 56

Db	7	LYDIGEQLDSEDLASUKFL----	SDYIYIPORKEPIKDMLFQRLQEKRMLEENSLFL	62
Qy	57	-ELLYRVRRFDLLKRILKMDRAVETHLLRNP--	HLVSDYRYLMAEIGEDLDOKSOVSSDI	113
Db	63	KELLFRINRLDLLITVNLNRKMEERE--	LQTPGRAQISAYRVMLYQISEVSRSRSLRSFK	121
Qy	114	FLMKDYMGRGKTSKESFIDLVLVVELEKLN	VAPDOLDLLEKCLKNIHRIDLTKTKQYKO	173
Db	122	FLLOEEISCKLDLDDMLNDLDFIEMEKRVIL	GEGLDLKRYCAQINKSLKXI--INDYEE	180
Qy	174	-----SVOGAGTYSRVNVLQAAIOAKSLK	DPNSNNFHLNGRSKEQRLKEQLGAQOEPVKK	226
Db	181	FKERSSSLEGSPDEFSGNEELCGVWYI	SDSPRE-----	214
Qy	227	SIQESAFUPQSIPEERYKMKSPKLGICLI	IDCIG-----NETEL---	266
Db	215	--QDSES--QTL-DKVIYQMKSKPRGYCLII	INNHNFAKAREKVPKLHSIRDRNGTHLDAG	268
Qy	267	-LRDPTTSLGYEVQKFLHLSMHGISOILQGF	CACMEPHRDYDFCVLVLSVRGSGSVYGVGD	325
Db	269	ALTTTFEELHFEPKHDDCTVEQIUEILXI	QOLM--DHSNMDCFICILLSHGDKGIYGTD	327
Qy	326	QTHSGLPLHHIRRMFMGDCSPYLACKPKM	FFFIQ-----NY--VVSEGOLENSSLLEVD-	376
Db	328	GOEP--PIYELTSSQFTGLKCPSLACKPK	VFFFIQACQGDNYQKGIPIVETDSEQPYLEMDL	385
Qy	377	-GPAMKNVEFKAQKRGCLCTVHREADFF	WSLCTADMSLLEQSHSSPSLYLQCLISQKLROB-	434
Db	386	SSPQTRYIP-----DEADFLGCMATVNC	VCVSYRNPAGETWYIQISQCSLRERC	433
Qy	435	-RKRPLDLHLHIELGWYDWNRSVSAKE--	KYVWMLQHTLRKKLI	476
Db	434	PRGDDILITLITEVN---YEVSNKDDK	KNMGKQMPQPTFTLRKKLV	475

RESULT 12

US-09-001-777-12
 : Sequence 12, Application US/09001777
 : Patent No. 6172190
 : GENERAL INFORMATION:
 : APPLICANT: Hunter, John J.
 : APPLICANT: Shyjan, Andrew W.
 : APPLICANT: Wong, Grace H.W.
 : TITLE OF INVENTION: NOVEL FORMS OF CASPASE-8 AND USES THEREOF
 : NUMBER OF SEQUENCES: 12
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Fish & Richardson P.C.
 : STREET: 225 Franklin Street
 : CITY: Boston
 : STATE: MA
 : COUNTRY: USA
 : ZIP: 02110-2804
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Diskette
 : COMPUTER: IBM Compatible
 : OPERATING SYSTEM: Windows 95
 : SOFTWARE: FASTSEQ for Windows Version 2.0b
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/09/001,777
 : FILING DATE: 31-DEC-1997
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 08/807,200
 : FILING DATE: 27-FEB-1997
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Freeman, John W.
 : REGISTRATION NUMBER: 29,066
 : REFERENCE/DOCKET NUMBER: 07334/021002
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 617/542-5070
 : TELEFAX: 617/542-8906
 : TELEX: 200154
 : INFORMATION FOR SEQ ID NO: 12:

CLASSIFICATION: 530
PRIOR APPLICATION DATA: 60/019,365
FILING DATE: 05 JUNE 1996
APPLICATION NUMBER: 60/017,454
FILING DATE: 17 MAY 1996
APPLICATION NUMBER: 60/017,914
FILING DATE: 16 MAY 1996
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: P50484-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 479 amino acids
TYPE: amino acid
STRANDEDNESS: single
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
US-08-852-782-3

Query Match 16.4%; Score 406; DB 3; Length 479;
Best Local Similarity 26.1%; Pred. No. 7.5e-31;
Matches 137; Conservative 105; Mismatches 173; Indels 110; Gaps 22;
QY 6 IHQVEALDDEEMLLFLCRDVAIDVVPN----VRDLDDI---LRERKLSVGLA-- 56
DB 7 LYDIGEQLDSEDLASLKL----SLDYIPQRKQEPKDALMLFORLQEKRMLESNLSFL 62
QY 57 -ELLYRVRRFDLKRILKMDKAVETHLLRNP--HLVSDYRVLMMAEIGEDLDKSDVSSLI 113
DB 63 KELLFRINRLDLLITLNTKRKEEMERE-LQTPGRAQISAYRVMLYQISEVSRSELSRFX 121
QY 114 FLMKDYMGKRIKSKESFLDVLVELEKLNVLVAPDQLDLLEKLNHTRIDLTCKIYKQ 173
DB 122 FLQEEISKCKLDDMLDIFTEMKRVILGEGKLDILKRVCAQINKSLTKI-INDYEE 180
QY 174 -----SVQAGSYRNVLQAAIOKSLKDPNSNNFLHNGRSKEORLKEQLGAQOEPVK 226
DB 181 FSKRSLSLEGSPDFNSGELCGVWISDPRE-----NETEL--- 214
QY 227 SIQSEAFPLQSIPEERYKMKRPLGICLIIDCIG-----NETEL--- 266
DB 215 --QDSSES--QTL-DKVVQMKSPRGYCLIIINHNFAKAREKVPKLSIRDRNGTHLDAG 268
QY 267 -LRDTFTSLGYEVOKFHLHSHGISOILGQFACMPERHDYDSFVCVLVSRGGSQSVYGV 325
DB 269 ALTTTFEELHFEIKPHDCTVEQIYELIKYIQLM-DHSNMDCFICCLSHGKGIIYGT 327
QY 326 QTHSGLPLHTRFMFGDSCPYLAGKPKMFFIQ-----NY---VVSQGLNSLLLEVD- 376
DB 328 QGEP--PIYELTSOFTGLKPCSLAGKPKVFFIQACQGNQKGLPVTDSQPYLEMDL 385
QY 377 -GPAMKNVEFKAORGLCTVHREADFFWSLCTADMSLLEQSHSPSLYLQCLSKLQRE- 434
DB 386 SSPQTRIP-----DEADFLGMATVNNVSYRNPAETGWYIOSLQSLRERC 433
QY 435 -RKRPDLDLHTELNGYMYDNMSRVSAKE--KYVWMLQHTLRKKLI 476
DB 434 PRGDDILTILTEVN---YEVSNDKDKKMMGQMPQPTFTLRKKLV 475
RESULT 14
US-08-983-502-18
; Sequence 18, Application US/08983502

Patent No. 6399327
GENERAL INFORMATION:
APPLICANT: David WALLACH
APPLICANT: Mark P. BOLDIN
APPLICANT: Tanya M. GONCHAROV
APPLICANT: Yuri V. GOLTSEV
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 464 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-983-502-18

Query Match 16.4%; Score 404.5; DB 4; Length 464;
Best Local Similarity 26.3%; Pred. No. 1e-30;
Matches 136; Conservative 101; Mismatches 170; Indels 111; Gaps 21;
QY 6 IHQVEALDDEEMLLFLCRDVAIDVVPN----VRDLDDI---LRERKLSVGLA-- 56
DB 7 LYDIGEQLDSEDLASLKL----SLDYIPQRKQEPKDALMLFORLQEKRMLESNLSFL 62
QY 57 -ELLYRVRRFDLKRILKMDKAVETHLLRNP--HLVSDYRVLMMAEIGEDLDKSDVSSLI 113
DB 63 KELLFRINRLDLLITLNTKRKEEMERE-LQTPGRAQISAYRVMLYQISEVSRSELSRFX 121
QY 114 FLMKDYMGKRIKSKESFLDVLVELEKLNVLVAPDQLDLLEKLNHTRIDLTCKIYKQ 173
DB 122 FLQEEISKCKLDDMLDIFTEMKRVILGEGKLDILKRVCAQINKSLTKI-INDYEE 180

Result No.	Score	Query		Length	DB	ID	Description
		Match					
1	2124	94.7	2143	10	US-09-410-194-16		Sequence 16, Appl
2	1952.2	87.0	2045	10	US-09-861-270-1		Sequence 1, Appli
3	849.6	37.9	2452	10	US-09-410-194-18		Sequence 18, Appli
4	813.6	36.3	2770	9	US-10-005-921-1		Sequence 14, Appli
5	731.8	32.6	1190	10	US-09-410-194-14		Sequence 14, Appli
C 6	307.6	13.7	490	10	US-09-833-381-436		Sequence 436, App
C 7	276	12.3	437	10	US-09-864-761-3120		Sequence 3120, Ap
C 8	259.8	11.6	430	10	US-09-864-761-1769		Sequence 1769, Ap
C 9	223.8	10.0	227	10	US-09-864-761-18522		Sequence 18522, A
C 10	213	9.5	389	10	US-09-783-590-4424		Sequence 4424, Ap
C 11	177	7.9	177	10	US-09-864-761-19899		Sequence 19899, A
C 12	175	7.8	22484	10	US-09-875-114-2		Sequence 2, Appli
C 13	175	7.8	22484	10	US-09-880-107-3341		Sequence 3341, Ap
C 14	174.8	7.8	7737	9	US-10-092-154-2001		Sequence 2001, Ap
C 15	174.8	7.8	7737	10	US-09-764-887-453		Sequence 453, App
C 16	174.8	7.8	7737	10	US-09-764-847-2001		Sequence 2001, Ap
C 17	174.6	7.8	1545	10	US-09-764-877-3172		Sequence 3172, Ap
C 18	174.6	7.8	32185	10	US-09-764-877-3171		Sequence 3171, Ap
C 19	173.8	7.7	465237	10	US-09-933-267A-1		Sequence 1, Appli

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Query Match      94.7%  Score 2124;  DB 10;  Length 2143;
Best Local Similarity 99.7%  Pred. No. 0;
Matches 2138;  Conservative 0;  Mismatches 5;  Indels 1;  Gaps 1
Qy      99  TAGGGGTGGGACTCGGCCTCACACATGAGTGGCGGCTATTGGACTTTTGTCCACTGAC 158
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Db 1 TAGGGTGGGACTCGCGCTCACACAGTAGTGCGCGCTATTGGACTTTTGTCCAGTGAC 60
Qy 159 AGCTGAGACAAACAGGACACGGAGGAGGTGTAGGAGAAAGCGCGGCAACAGCGATC 218
Db 61 AGCTGAGACAAACAGGACACGGAGGAGGTGTAGGAGAAAGCGCGGCAACAGCGATC 120
Qy 219 GCCCAGCACCAGTCCGCTTCCAGGCTTTCGGTTCCTTTCCTCCATCTTGGGTGGCGCT 278
Db 121 GCCCAGCACCAGTCCGCTTCCAGGCTTTCGGTTCCTTTCCTCCATCTTGGGTGGCGCT 180
Qy 279 TCCCGGCGTCTAGGGAGCGAAGGCTGAGGTGGCAGCGGAGAGAGTCCGGCGCGGACA 338
Db 181 TCCCGGCGTCTAGGGAGCGAAGGCTGAGGTGGCAGCGGAGAGAGTCCGGCGCGGACA 240
Qy 339 GGAGGAATCCCCACTGGGAAGGATTCTGAAGAAATGAATCAGGCCCTCAGAAATGAA 398
Db 241 GGAGGAATCCCCACTGGGAAGGATTCTGAAGAAATGAATCAGGCCCTCAGAAATGAA 300
Qy 399 GTTGACTGCTGCTGGCTTTCCTGTTGACTGGCGCGGAGCTGTACTGCAAGACCCCTTGTG 458
Db 301 GTTGACTGCTGCTGGCTTTCCTGTTGACTGGCGCGGAGCTGTACTGCAAGACCCCTTGTG 359
Qy 459 AGCTTCCCTAGTCTAAGAGTAGGATGCTGCTGAAGTCTATCCATCAGGTTGAAGAACAC 518
Db 360 AGCTTCCCTAGTCTAAGAGTAGGATGCTGCTGAAGTCTATCCATCAGGTTGAAGAACAC 419
Qy 519 TTGATACAGATGAAGAGAGATGCTGCTTGTGTCGGGATGTTGCTATAGATGTTG 578
Db 420 TTGATACAGATGAAGAGAGATGCTGCTTGTGTCGGGATGTTGCTATAGATGTTG 479
Qy 579 TTCCACCTAATGTGAGGAGACCTTCTGGATATTTTACGGGAAGAGTGAAGCTGTCTGCG 638
Db 480 TTCCACCTAATGTGAGGAGACCTTCTGGATATTTTACGGGAAGAGTGAAGCTGTCTGCG 539
Qy 639 GGGACTTGGCTGAACTGCTTACAGAGTAGGCGGATTTGACCTGCTCAAGCGTATCTTGA 698
Db 540 GGGACTTGGCTGAACTGCTTACAGAGTAGGCGGATTTGACCTGCTCAAGCGTATCTTGA 599
Qy 699 AGATGGACAGAAAGCTGTGGAGACCCACCTGCTCAGGAACCTCCTGTTTGGGACT 758
Db 600 AGATGGACAGAAAGCTGTGGAGACCCACCTGCTCAGGAACCTCCTGTTTGGGACT 659
Qy 759 ATAGAGTCTGATGGCAGAGATTGGTGAGGATTTGGATAATCTGATGTGCTCATTA 818
Db 660 ATAGAGTCTGATGGCAGAGATTGGTGAGGATTTGGATAATCTGATGTGCTCATTA 719
Qy 819 TTTTCTCATGAGGATTTACATGGGCGGAGCAAGATGAAGAGAGAGTTCCTTGG 878
Db 720 TTTTCTCATGAGGATTTACATGGGCGGAGCAAGATGAAGAGAGAGTTCCTTGG 779
Qy 879 ACCTTGTGGTGTGAGTGGAGAACTTAAATTTGGTTGCCCCAGATCAACTGGATTATTAG 938
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Qy 939 AAAATGCTTAAAGAACATCCACAGATAGACCTGAAGACAAAAATCCAGAAAGTACAGC 998
Db 840 AAAATGCTTAAAGAACATCCACAGATAGACCTGAAGACAAAAATCCAGAAAGTACAGC 899
Qy 999 AGTCTGTTCAAGGACGGGACAGTTACAGGAATGTTCTCCAGCAGCAATCCAAAAGA 1058
Db 900 AGTCTGTTCAAGGACGGGACAGTTACAGGAATGTTCTCCAGCAGCAATCCAAAAGA 959
Qy 1059 GTCTCAAGGATCTTCAATTAATCTCAGGCTCCATAATGGGAGAGTAAAGAACAAAGAC 1118
Db 960 GTCTCAAGGATCTTCAATTAATCTCAGGCTCCATAATGGGAGAGTAAAGAACAAAGAC 1019
Qy 1119 TTAAGGAACAGCTTGGCGCTCAACAGAACCCAGTGAAGAAATCCATTCCAGGAATCAGAG 1178
Db 1020 TTAAGGAACAGCTTGGCGCTCAACAGAACCCAGTGAAGAAATCCATTCCAGGAATCAGAG 1079
Qy 1179 CTTTTTGGCTCAGAGCATACCTGAAGAGAGATACAAAGATGAAGAGCAAGCCCTTAGAA 1238
Db 1080 CTTTTTGGCTCAGAGCATACCTGAAGAGAGATACAAAGATGAAGAGCAAGCCCTTAGAA 1139

Qy 1239 TCTGCTGATAATCGATTGGCAATGAGACAGAGCTTCTTCGAGACACCTTCACATT 1298
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Qy 1299 CCTGGGCTATGAAGTCCAGAAATCTTGCATCTCAGTATGCGATGATATCCAGATTC 1358
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Qy 1359 TTGGCCAAATTTGCTGCTATGCCGAGCAGCAGACTACGACAGCTTTGTGTGTCTGG 1418
Db 1260 TTGGCCAAATTTGCTGCTATGCCGAGCAGCAGACTACGACAGCTTTGTGTGTCTGG 1319
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Db 1320 TGAGCCGAGGAGGCTCCAGAGTGTGTATGCTGGATCAGACTCACTCAGGGCTCCCC 1379
Qy 1479 TGATCATACATCAGAGGATGTTTATGGGAGATTCATGCCCTTATCTAGCAGGAGCA 1538
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Qy 1539 AGATGTTTTTTTATTCAGAACTATGTGTGTGAGGGCCAGCTGGGAGAACAGCAGCTCT 1598
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Qy 1599 TGGAGTGGATGGGCCAGCGATGAAGAAATGGAATTTCAAGGCTCAGAAAGCGAGGCTGT 1658
Db 1500 TGGAGTGGATGGGCCAGCGATGAAGAAATGGAATTTCAAGGCTCAGAAAGCGAGGCTGT 1559
Qy 1659 GCACAGTTCACCGAAGAGCTGACTTCTTCTGGAGCCCTGTACTGCGGAGATGTCCTGCG 1718
Db 1560 GCACAGTTCACCGAAGAGCTGACTTCTTCTGGAGCCCTGTACTGCGGAGATGTCCTGCG 1619
Qy 1719 TGGAGCAGTCTCAGAGCTCACCCTGCTGACCTGACCTGACCTGACCTGACCTGACCTGAC 1778
Db 1620 TGGAGCAGTCTCAGAGCTCACCCTGCTGACCTGACCTGACCTGACCTGACCTGACCTGAC 1679
Qy 1779 AAGAAAGAAACGCCCCACTCCTGGATCTTCAATTTCAATTTCAATTTCAATTTCAATTTCA 1838
Db 1680 AAGAAAGAAACGCCCCACTCCTGGATCTTCAATTTCAATTTCAATTTCAATTTCAATTTCA 1739
Qy 1839 GGAACACAGAGTTTCTGCCAAGGAGAAATATTATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1898
Db 1740 GGAACACAGAGTTTCTGCCAAGGAGAAATATTATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1799
Qy 1899 AGAACTTTATCTCTCTACACATGAAGAAACCAAAAGGCTGGGCTAGTGGCTCACACCT 1958
Db 1800 AGAACTTTATCTCTCTACACATGAAGAAACCAAAAGGCTGGGCTAGTGGCTCACACCT 1859
Qy 1959 GTAAATCCAGCATTCTGGGAGGCCAAGAGGCGAGATCACTTTCAGGTCAGGAGTTCGAGA 2018
Db 1860 GTAAATCCAGCATTCTGGGAGGCCAAGAGGCGAGATCACTTTCAGGTCAGGAGTTCGAGA 1919
Qy 2019 CCAGCCTGGCCAAACATGTTAAACCTGCTCCCTACTTAAATGCAAAATTTAGCTGGGTGT 2078
Db 1920 CCAGCCTGGCCAAACATGTTAAACCTGCTCCCTACTTAAATGCAAAATTTAGCTGGGTGT 1979
Qy 2079 GGGTGTGGGTACCTGCTGTTCCAGTTACTTGGGAGGCTGAGGTGGGAGGATCTTTTGAAC 2138
Db 1980 GGGTGTGGGTACCTGCTGTTCCAGTTACTTGGGAGGCTGAGGTGGGAGGATCTTTTGAAC 2039
Qy 2139 CCAGAGTTCAGGTCATAGCATGCTGTGATTTGCTTACCAATAGCCACTGCATACCAA 2198
Db 2040 CCAGAGTTCAGGTCATAGCATGCTGTGATTTGCTTACCAATAGCCACTGCATACCAA 2099
Qy 2199 CCTGGGCAATATACAGATCCCATCTCTTTTAAAAAATAAAAAA 2242
Db 2100 CCTGGGCAATATACAGATCCCATCTCTTTTAAAAAATAAAAAA 2143

Patent No. US20020052474A1
 GENERAL INFORMATION:
 APPLICANT: Sul, Hong-Bing
 Goeddel, David V.
 TITLE OF INVENTION: Regulators of Apoptosis
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Science & Technology Law Group
 STREET: 75 Denise Drive
 CITY: Hillsborough
 STATE: California
 COUNTRY: USA
 ZIP: 94010
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/861,270
 FILING DATE: 18-May-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/795,088
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Osman, Richard A
 REGISTRATION NUMBER: 36,627
 REFERENCE/DOCKET NUMBER: T97-001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 343-4341
 TELEFAX: (650) 343-4342
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2045 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cdna
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US-09-861-270-1

Query Match 87.0%; Score 1952.2; DB 10; Length 2045;
 Best Local Similarity 99.8%; Pred. No. 0;
 Matches 1965; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY	48	GCAGGCTGCAGGCTCACCACGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGTGG	107
DB	78	GAGAGCTTGAGGCTCACCACGAGTCTCAACTAAAGGAGCTCCCGGAGCTAGGGTGG	137
QY	108	GGACTCGGCTCACACAGTGAAGTGGCGGTATTGGACTTTTGTCCAGTGCACAGCTGAGAC	167
DB	138	GGACTCGGCTCACACAGTGAAGTGGCGGTATTGGACTTTTGTCCAGTGCACAGCTGAGAC	197
QY	168	AACAAGGACACGGGAGGAGGTGTAGGAGAGAGCGCGCGAACAGCGATCGCCCGAGCAC	227
DB	198	AACAAGGACACGGGAGGAGGTGTAGGAGAGAGCGCGCGAACAGCGATCGCCCGAGCAC	257
QY	228	CAAGTCGGCTTCAGAGCTTCGGTTTCCTTGGCTTCATCTGGGTGGCGCTTCCCGGCGT	287
DB	258	CAAGTCGGCTTCAGAGCTTCGGTTTCCTTGGCTTCATCTGGGTGGCGCTTCCCGGCGT	317
QY	288	CTAGGGGAGCGAAGGCTGAGGTGGCGAGCGAGAGTCCGCGCGACGAGCGAAGCT	347
DB	318	CTAGGGGAGCGAAGGCTGAGGTGGCGAGCGAGAGTCCGCGCGACGAGCGAAGCT	377
QY	348	CCCCCACTGGAAGGATTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGC	407
DB	378	CCCCCACTGGAAGGATTCGAAAGAAATGAAGTCAGCCCTCAGAAATGAAGTTGACTGC	437
QY	408	CTGCTGCTTTCTGTGACTGCGCCGGAGCTGTACTGCAAGACCTTCTGTGAGCTTCCCT	467
DB	438	CTGCTGCTTTCTGTGACTGCGCCGGAGCTGTACTGCAAGACCTTCTGTGAGCTTCCCT	496

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Qy 1548 TATTACAACTATGTGGTGTCTACAGCGCCAGCTGGAGAACAGCAGCTCTTGGAGCTGG 1607
Db 1577 TATTACAACTATGTGGTGTCTACAGCGCCAGCTGGAGAACAGCAGCTCTTGGAGCTGG 1636
Qy 1608 ATGGCCAGCGCATGAAGATGTGAATTCAGAGCTCAGAGCGAGGGCTGTGCACAGTTC 1667
Db 1637 ATGGCCAGCGCATGAAGATGTGAATTCAGAGCTCAGAGCGAGGGCTGTGCACAGTTC 1696
Qy 1668 ACCGAGAGCTGACTTCTCTGGAGCCTGTGTACTGCGGACATCTCCCTGCTGAGCAGT 1727
Db 1697 ACCGAGAGCTGACTTCTCTGGAGCCTGTGTACTGCGGACATCTCCCTGCTGAGCAGT 1756
Qy 1728 CTCACAGCTCACCCTGCTGACCTGAGTCCCTGAGTCCCTGAGAGAGTCCAGAGAA 1787
Db 1757 CTCACAGCTCACCCTGCTGACCTGAGTCCCTGAGTCCCTGAGAGAGTCCAGAGAA 1816
Qy 1788 AACGCCCACTCTGATCTTTCACATTTGAACCTCAATGGCTACATGATGATTTGGAACGCA 1847
Db 1817 AACGCCCACTCTGATCTTTCACATTTGAACCTCAATGGCTACATGATGATTTGGAACGCA 1876
Qy 1848 GAGTTTCTGCCAAGGAGAAATATTATGTCTGGCTGCGAGCAGCTCTGAGAAAGAACTTA 1907
Db 1877 GAGTTTCTGCCAAGGAGAAATATTATGTCTGGCTGCGAGCAGCTCTGAGAAAGAACTTA 1936
Qy 1908 TCCCTCTCTACACATAGAAACCAAAAGGCTGGGCTGAGTGGCTCACACCTGTATCCCA 1967
Db 1937 TCCCTCTCTACACATAGAAACCAAAAGGCTGGGCTGAGTGGCTCACACCTGTATCCCA 1996
Qy 1968 GCACCTTTGGGAGGCCAAGGAGGCGAGATCACTTTCAGGTTCAGAGTTCGA 2016
Db 1997 GCACCTTTGGGAGGCCAAGGAGGCGAGATCACTTTCAGGTTCAGAGTTCGA 2045
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RESULT 3

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US-09-410-194-18
; Sequence 18, Application US/09410194
; Patent No. US20020095030A1
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jurg
; APPLICANT: Thome, Margot
; APPLICANT: Burns, Kimberly
; APPLICANT: Izmler, Marten
; APPLICANT: Hahne, Michael
; APPLICANT: Schroter, Michael
; APPLICANT: Schneider, Pascal
; APPLICANT: Bodmer, Jean- Luc
; APPLICANT: Steiner, Veronique
; APPLICANT: Rimoldi, Donata
; APPLICANT: Hofmann, Kay
; APPLICANT: French, E. Lars
; TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
; FILE REFERENCE: 11141-002001
; CURRENT APPLICATION NUMBER: US/09/410,194
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: PCT/EP98/01857
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 2452
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (172)...(1614)
US-09-410-194-18
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Query Match 37.98; Score 849.6; DB 10; Length 2452;
Best Local Similarity 71.28; Pred. No. 1.5e-263;
Matches 1173; Conservative 0; Mismatches 454; Indels 21; Gaps 3;
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Qy 313 AGCGCAGGAGAGTCCGCGCGCAGCAGAGCAACTCCCCACACTGGAAGGATTCTGAAAG 372
Db 9 AGCCTCTCAAGCGGCCCACTTAGGCCCGCAGACAGAGTGTCTCTATTTCAGCAAGCACTCTGAGAG 68
Qy 373 AAATGAAGTACGCGCCTCAGAAATGAAGTTGACTGCCCTGCTGG-----CTTTCTCTGT 423
Db 69 AAATGAAGAGAGTCTCTCAGCAATGATCTTGGCTTCTCTGCTGGTCCCGCAGAGCCCTGCTTAA 128
Qy 424 TGACTGCGCGGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCCTAGTCTTAGAGATGAGAT 483
Db 129 TGGATGAGAGCTGACACAGAGAACCTTGGCTGTGTGGTTCTGAACATGCCCCAGGCCCTGT 188
Qy 484 GTCTGCTGAAGTCAATCATCAGGTTGAAGAGCACTTGTATACAGATGAGAAGAGAGATGCT 543
Db 189 GTCTGCGGAGGTCATTACAGGTGGAAGAGTGTCTGTATGAAGACGAGAGAGAGATGAT 248
Qy 544 GCTCTTTTGTGCGGGAGTGTGCTATAGATGTGGTTTCCACCTTAATCTCAGGGACCTTCT 603
Db 249 GCTCTTCTGTGTAGAGATGTGACTGAGAACCTGGCTGCACCTAACGTCAGGGACCTCTCT 308
Qy 604 GGATATTTTACGGGAAGAGGTAGCTGTCTGTCGGGAGCTTGGCTGAACCTGCTCTACAG 663
Db 309 GGATAGCTTAAAGTCAGAGAGGCCAGCTCTCTTTTGTACCTTTGGCTGAATTTGCTCTACAG 368
Qy 664 AGTGAGCGGATTTTACCTGTCTCAAAACCTATCTTGAAGATGACACAGAAAGCTGTGGAGAC 723
Db 369 AGTGAGCGGTTTACCTTCTCAAGAGAGATCTTCAAGACAGACAAACCAACCTGTGGAGGA 428
Qy 724 CCACCTGCTCAGGAACCCCTCACCTTGTGCGGACTATAGAGTGTCTGATGCGCAGAGATGG 783
Db 429 CCACCTGCGCAGAAACCCCTCACCTGCTTCTGATTTATAGGGTCTGCTGATGGAGATGG 488
Qy 784 TGAGGATTTGGATAAATCTGATGTCTCTCATTAATTTTCTCATGAAGGATTACATGGG 843
Db 489 TGAGAGCTTAGATCAGAACGATGTATCTCTTAGTTTCTTACAAGGGGATTACACAG 548
Qy 844 CCGAGCGAAGATAAGCAGGAGAGAGTCTTCTTGGACCTTGTGGTGTGAGTTGGAGAACT 903
Db 549 CAGAGCGCAGATAGCCCAAGGACAGAGTCTTCTGGATCTGCTGATTTGAGAGAACT 608
Qy 904 AAATTTGTTGCCCGCAGATCACTGGATTTATTAGAAAAATGCCTTAAGAACATCCACAG 963
Db 609 GAATCTAATTTGCTTCAGACCAATTTGAATTTGTTAGAAAAATGCCTTAAGAACATCCACAG 668
Qy 964 AATAGACTGAAGACAAAAATCCAGAAAGTACACAGCACTCTTCAAGGAGCAGGAGCAAG 1023
Db 569 AATAGACTTGAACACAAAGATCCAGAAAGTACACCAAGTCCAGCCAGGAGGAGCAATCAA 728
Qy 1024 TTACAGGAATGTTCTCCAAGCAGCAATCCAAAAGAGTCTCAAGGATCCTTCAAAATACTT 1083
Db 729 TATGAATACTCTCCAGGCTTCGCTCCCAAAATTCAGTATCAAG-----TATAACTC 779
Qy 1084 CAGGCTCATTAATGGGAGAGAGTAAAGACAAAGACTTTAAGGAACAGCTTGGCGCTCAACA 1143
Db 780 AAGGCTCCAGAAATGGCGAAGTAAAGAGCCAAAGATTTGTGGAANTACCGTGCACAGTCAAAG 839
Qy 1144 AGAACCTGTAAGAAATCCATTTCAGGAATCAGAAAGCTTTTTTGGCTCAGAGCATCACTGA 1203
Db 840 AACACTGGTGAAGACATCCATCCAGGAATCAGGAGCTTTTTTACCTCCGACATCCCGTGA 899
Qy 1204 AGAGAGATACAAAGATGAAGAGCAAGCCCTTAGGAATCTGCGTGAATTCGATTCGATTTGG 1263
Db 900 AGAGACTTACAGGATGCGAGACGACCCCTTAGGAATCTGCTTTGATTCATTTGATTTGG 959
Qy 1264 CAATGAGACAGAGCTTCTTTCGAGACACCTTTCACCTTCCCTGGGCTATGAAGTCCAGAAAT 1323
Db 960 CAAGCAGACAAAAATATCTTCAAGAGACCTTCACTTCCCTGGGCTATCATATACCGCTTTT 1019
Qy 1324 CTTGCATCTCAGTATGATGCTATATCCAGATTTCTTGGCCAATTTGCTCTATGATCCCGGA 1383
Db 1020 CTTGTTTCCCAAGTCACATGATACATCAACCAAGATTTGTCGCGGATATGCAAGTATGGGCCA 1079
Qy 1384 GCACCGAGACTACGACAGCTTTGTGTGCTCTGCTGAGCGCGGAGGAGCTCCCGAGAGTGT 1443
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Db 1080 ACATCAAGACTATGACAGCTTTGCATGTGTTCTGGTGTAGCCTAGGAGGCTCCCAAGCAT 1139
Qy 1444 GTATGTGTGGATCAGACTCACTCAGGGCTCCCTCCATCATCATCAGGAGGTATTCAT 1503
Db 1140 GATGGCAGAGATCAAGTTCACCTCAGGGTCTCTCTGGATCATGTCAAGAACAATGTTAC 1199
Qy 1504 GGGAGATTATGCCCTTATCTAGCAGGGAGCCAAAGATGTTTTTATTCAGNACTATGT 1563
Db 1200 GGGGACAGCTGCCCTCTCTCAGAGGGAGCCAAAGCTCTTTTATTCAGAACTATGA 1259
Qy 1564 GGTGTGAGGGGCGACCTGAGAAACAGCAGCCTCTTGGAGGTGATGGCCAGCGATGAA 1623
Db 1260 GTCGTTAGTAGCCAGTTGGAAGATAGCAGCC---TGGAGGTAGATGGCCCATCAATAA 1316
Qy 1624 GAATGTGAATTAAGGCTCAGAAAGCGAGGCTGTGCACAGTTTACCAGAAAGCTGACTT 1683
Db 1317 AATGTGGACTCTAAGCCCTCTCAACCCAGACACTGCACAACCTCACCCAGAGCTGATAT 1376
Qy 1684 CTTCTGGAGCCTGTGTACTGCGGACATGTCCCTGTGGAGCAGTCTCAGAGCTACCCGTC 1743
Db 1377 CTTTGGAGCCTGTGCACAGCAGCATATCTCACTTGGAGAGCCCTCCAGCTCATCCTC 1436
Qy 1744 CTTGTACTGCACTGCTCTCCAGAACTGAGACAAAGAAAGAAAGCCCACTCTCTGGA 1803
Db 1437 TGTGTATCTGCAGAACTCTCCAGCAGCTGAGCAAGCGAGGAGCCCACTCTCTGGA 1496
Qy 1804 TCTTCATTTGAATCAATGGCTTACATGTATGATTTGGAACAGCAGAGTTTCTGCCAAGA 1863
Db 1497 CTCCACGTTGAATCATGACAAAGTGTATGCTGGACAGTGGTCTTAAGGA 1556
Qy 1864 GAATATTATGCTGCTGCTGAGCAGCACTCTGAGAAAGAACTATCTCTCTACACATA 1923
Db 1557 GAAATACAGCCTCAGCTGCGACACACTCTGAGGAAGAACTCATCTGGCTCTACGTG 1616
Qy 1924 AGAAACAAAGGCTGGCGTGTGCT 1951
Db 1617 AGAACCCAGACCGTTGGTCTTGGT 1644

RESULT 4

US-10-005-921-1
; Sequence 1, Application US/10005921
; Patent No. US20020174450A1

; GENERAL INFORMATION:
; APPLICANT: Allen, Keith D.

; APPLICANT: Leviten, Michael W.
; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CASH GENE

; TITLE OF INVENTION: DISRUPTIONS
; FILE REFERENCE: R-714

; CURRENT APPLICATION NUMBER: US/10/005,921
; CURRENT FILING DATE: 2001-12-04

; PRIOR APPLICATION NUMBER: US 60/254,902
; PRIOR FILING DATE: 2000-12-11

; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1
; LENGTH: 2770

; TYPE: DNA
; ORGANISM: Mus musculus

US-10-005-921-1
Query Watch 36.3%; Score 813.6; DB 9; Length 2770;
Best Local Similarity 73.2%; Pred. No. 6.8e-252;
Matches 1092; Conservative 0; Mismatches 379; Indels 21; Gaps 3;

Qy 469 GTCCTAAGAGTAGGATGCTGCTGAAGTCAATCCATCAGGTGAGAGAGCACTTCATACAGA 528
Db 77 GGGCCAGAGCCCTGTGCTGCCAGGTGCTATCCAGGTGGAAGAGTGTCTTGATGAAGA 136
Qy 529 TGAGAGGAGAGATGCTGCTCTTTTGTGCGCGGATGTGTCTATAGATGTGTTCCACCTAA 588
Db 137 CGAGAGGAGAGATGCTCTCTCTGTGTAGAGATGTGACTGAGAACTGGCTGCACCTAA 196

Qy 589 TGTCAAGGACCTTCTGGATATTTTTACGGGAAAGAGTAAGCTGTCTGTGCGGAGACTTGGC 648
Db 197 CGTCAAGGACCTTCTGGATAGCTTAACTAGTGAAGAGAGCCAGCTCTCTTTTGTCTACCTTGGC 256
Qy 649 TGAACCTGCTCTACAGAGTGAAGGATTTTGCACCTGTCTCAACCTGATCTTCAAGATGACAG 708
Db 257 TGAATGTCTCTACAGAGTGAAGGATTTTGCACCTGTCTCAAGAGATCTTCAAGAGACAGAA 316
Qy 709 AAAAGCTGTGGAGACCCACCTGCTCAGGAACCCCTCACCTTGTTCGGACTATAGAGTGTCT 768
Db 317 AGCAACCGTGGAGGACCCCTGCGCAGAAACCTCACCTGCTTCTGATTAAGGTCCT 376
Qy 769 GATGGCAGAGATTTGTGAGGATTTGGATAAATCTGATGTCTCTCATTAATTTTTC --- 824
Db 377 GCTGATGGAGATTTGTGAGGCTTAGATCAGAACGATGTATCTCTCTTGTAGTTTCTCTTAC 436
Qy 825 ----TCATGAAGGATTTACATGGCGGAGGCAAGATAAAGAGGAGAGGATTTCTTGA 879
Db 437 AAGGATTAAGAGGATTTACACAGGAGAGGCAAGATAGCCAGGAGAGGATTTCTTGA 496
Qy 880 CCTTGTGTGTGAGTTGGAGAACTAAATTTGTGTGCCCCAGATCAACTGATTTATTAGA 939
Db 497 TCTGTGTGATTTGGAGAACTGAATCTAATTTGCTTCAGACCAATTCATTTGTTAGA 556
Qy 940 AAATGCTTAAAGACATCCAGAGATAGACCTGAAGACAAATAATCCAGAGATGACAGCA 999
Db 557 AAATGCTTGAAGAACATCCAGAGATAGACTTGAACACAAAGATCCAGAGATGACACCA 616
Qy 1000 GTCTGTGTTAAGAGAGGAGGACAAAGTTACAGGAATGTCTTCAAGCAGCAATCCAAAGAG 1059
Db 617 GTCCAGCAGGAGGAGGATCAATATGATTAATTAATCTCTCCAGGCTTCTCTCCAAAATTTAG 676
Qy 1060 TCTCAAGGATCTCTCAATTAATTTCAAGGCTTCCATTAATGGGAGAGTAAAGAAAGACT 1119
Db 677 TATCAAG-----TATACTCAAGGCTCCAGATGSCGAGTAAAGAGCCAAAGATT 727
Qy 1120 TAAGNAACAGCTTGGCGCTCAACAGAGACCCAGTGAAGAAATCCATTCAGGAATCAGAAAG 1179
Db 728 TGTGGAATACCGTACAGTCAAGAGAACACTGCTGTGAAGACATCCATCCAGGAATCAGGAGC 787
Qy 1180 TTTTGTGCTCAGAGCATACCTTGAAGAGATACAGATGAAGAGCAAGCCCTTAGGAAT 1239
Db 788 TTTTGTGCTCAGAGCATACCTTGAAGAGATACAGATGAAGAGCAAGCCCTTAGGAAT 847
Qy 1240 CTGCTGATTAATCGATTGCAATGGCAATGAGACAGAGCTTCTTCCAGAGACACTTCACTTC 1299
Db 848 CTGCTGATCAATTGATTGTTGGAACGACACAAATATCTTCAAGAGACCTTCACTTC 907
Qy 1300 CTTGGCTATGAAGTCCAGAAATTTCTGATCTCAGTATGATGATGATATCCAGATTTCT 1359
Db 908 CTTGGCTATCATATCCAGCTTTTCTGTTTCCCAAGTCAATGACATTAACCCAGATTTGT 967
Qy 1360 TGGCAAAATTTGCTGTATCCCGAGCAGCAGCTACGACAGCTTTGTGTGCTCTCTGCT 1419
Db 968 TCGCCGATATGAAGTATGCCCCAACATCAACATATGACAGCTTTGCGATGTTGCTGCT 1027
Qy 1420 GAGCCGAGGAGCTCCAGAGTGTGTATGGTGTGGATCAGACTCACTCAGGCTCCCCCT 1479
Db 1028 GAGCCTAGGAGCTCCCAAGCATGATGGCAGAGATCAAGTTTCACTCAGGCTTCTCTCT 1087
Qy 1480 GCATCATCAGAGGATTTTCATGGGAGATTCATGCCCCCTTATCTAGCAGGAGGAGCCAA 1539
Db 1088 GGATCATGTCAAGAACATGTTCCAGGGGAGACAGCTGCCCTTCTCTCAGAGGAGGAGCCAA 1147
Qy 1540 GATGTTTTTATTCAGAACTATGTGTGTCAGAGGCGGAGCTGAGAAACAGCAGCTCTT 1599
Db 1148 GCTCTTTTTATTCAGAACTATGATGCTGTAGTGTAGCTAGCTAGGAGATGAGAGCT ---T 1204
Qy 1600 GGAGGTGATGGCCGAGGATGAAGAAATGTGAAATTCAGAGCTCAGAGGAGGCTGTG 1659
Db 1205 GGAGGTAGTGGCCATCAATAAANAATGTGACTCTAGGCTCTAGGCTTGAACCCCTGCAACCCAGACTG 1264

;; PRIOR APPLICATION NUMBER: US 60/236,359
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00669
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00665
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00663
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00662
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00661
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00670
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: US 60/234,687
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: US 09/608,408
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: US 09/774,203
;; PRIOR FILING DATE: 2001-01-29
;; NUMBER OF SEQ ID NOS: 49117
;; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
;; SEQ ID NO 1769
;; LENGTH: 430
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: MAP TO AC007283.3
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.3
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1
;; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.4
;; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.8
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.8
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.4
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
;; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.6
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.9
US-09-864-761-1769

Query Match 11.6%; Score 259.8; DB 10; Length 430;
Best Local Similarity 97.4%; Pred. No. 2.1e-73;
Matches 264; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
Qy 1524 TAGCAGGAGCCAAAGATGTTTTTATTCAGAACTATGTGGTCTCAGAGGCCAGCTGG 1583
Db 430 TAGCAGGAGCCAAAGATGTTTTTATTCAGAACTATGTGGTCTCAGAGGCCAGCTGG 371
Qy 1584 AGAAGCAGGCTCTTGAGGTGGATGGCCAGCGATGAAGATGTGAATTCAGGCTC 1643
Db 370 AGGACAGCGCTCTTGAGGTGGATGGCCAGCGATGAAGATGTGAATTCAGGCTC 311
Qy 1644 AGAAGCAGGCTCTGCACAGTTCACCGAGAGCTGACTTTCTTCTGGAGCTGTGTACTG 1703
Db 310 AGAAGCAGGCTCTGCACAGTTCACCGAGAGCTGACTTTCTTCTGGAGCTGTGTACTG 251
Qy 1704 CGGACATGCTCCTGCTGGAGCAGTCTCAGAGCTCAGCTCCCTGCTACCTGAGTGCCTCT 1763
Db 250 CGGACATGCTCCTGCTGGAGCAGTCTCAGAGCTCAGCTCCCTGCTACCTGAGTGCCTCT 191
Qy 1764 CCCGAAACTGAGCAAGCAAGAAAGCGCCC 1794
Db 190 CCCGAAACTGAGCAAGCAAGAAAGTGGAGCCCC 160

RESULT 9
US-09-864-761-18522/c
;; Sequence 18522, Application US/09864761
;; Patent No. US20020048763A1
;; GENERAL INFORMATION:
;; APPLICANT: Penn, Sharron G.
;; APPLICANT: Rank, David R.
;; APPLICANT: Hanzel, David K.
;; APPLICANT: Chen, Wensheng
;; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL
;; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
;; FILE REFERENCE: Aecomica-X-1
;; CURRENT APPLICATION NUMBER: US/09/864,761
;; CURRENT FILING DATE: 2001-05-23
;; PRIOR APPLICATION NUMBER: US 60/180,312
;; PRIOR FILING DATE: 2000-02-04
;; PRIOR APPLICATION NUMBER: US 60/207,456
;; PRIOR FILING DATE: 2000-05-26
;; PRIOR APPLICATION NUMBER: US 09/632,366
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: GB 24263.6
;; PRIOR FILING DATE: 2000-10-04
;; PRIOR APPLICATION NUMBER: US 60/236,359
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00669
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00665
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00663
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00662
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00661
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00670
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: US 60/234,687
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: US 09/608,408
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: US 09/774,203
;; PRIOR FILING DATE: 2001-01-29
;; NUMBER OF SEQ ID NOS: 49117
;; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
;; SEQ ID NO 18522
;; LENGTH: 227
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: MAP TO AC007283.3
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.3
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1
;; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.4
;; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.8
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.8
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.4
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
;; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.6
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.9
;; OTHER INFORMATION: EST HUMAN HIT: A1139524.1, EVALUE 1.00e-122
;; OTHER INFORMATION: NT HIT: AF015450.1, EVALUE 1.00e-125
;; OTHER INFORMATION: SWISSPROT HIT: P96254, EVALUE 6.60e+00
US-09-864-761-18522

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; NAME/KEY: misc feature
; LOCATION: (364)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (374)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-783-590-4424

Query Match          9.5%; Score 213; DB 10; Length 389;
Best Local Similarity 93.2%; Pred. No. 2,7e-58;
Matches 287; Conservative 0; Mismatches 13; Indels 8; Gaps

OY 1053 AAAGAGCTCTCAAGGATCCTTCAAAATACTTCAGGCTCCATAATGGGAGAGTAAGAAC 1112
      |||||
Db 14 ANAAGAGTCTCAAGGATCCTTCAAAATACTTCAGGCTCCATAATGGGAGAGTAAGAAC 73
      |||||
OY 1113 AAAGACTTAAAGCAACAGCTTGGCGCTCAACAAGAACCAAGTG- AAGAAATCCATTTCAGAA 1171
      |||||
Db 74 AAAGACTTAAAGCAACAGCTTGGCGCTCAACAAGAACCAAGTGNAAGAANTCCATTTCAGAA 1333
      |||||
OY 1172 TCAGAAGCTTTTTTTCCTCAGAGCATACCTCAAGAGAGATACAAGATCAAGAGCAAGCCC 1231
      |||||
Db 134 TCAGAAGCTTTTTTTCCTCAGAGCATACCTCAAGAGAGATACAAGATCAAGAGCAAGCCC 193
      |||||
OY 1232 CTA-GGAATCTGCCCTGAT-AATCGATTGCATTGGCAATGA-GACAGAGCTTCTTC-GAGA 1287
      |||||
Db 194 CTAGGGAATCTGCCCTGATAAATCGATTGCATTGGCAATGAGGACAGAGCTTCTTCGGGGA 253
      |||||
OY 1288 CACCTTCACCTCCCTGGGCTATGAA--GTCCAGAAATCTTTCATCTCAGTATGCATGG 1344
      |||||
Db 254 CACCTTCACCTCCCTGGGCTATGAAAGTNCAGGAAATCTTTCATCTCAGTATGCATGG 313
      |||||
OY 1345 TATATCCC 1352
      |||
Db 314 TATTATCC 321

RESULT 11
US-09-864-761-19899/c
; Sequence 19899, Application US/09864761
; Patent No. US20020048763A1
GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30

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Matches 246; Conservative 0; Mismatches 65; Indels 12; Gaps 2;

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QY 1921 ATAGAAACCAAGGCTGGCGTAGTGGCTACACCTGTAATCCCGACACTTTGGGAGG 1980
Db 1923 AAAAAAAAAAAGGCGGAGTGGCTCAAACTGTAATCCCGACACTTTGGAGG 9764
QY 1981 CCAAGGAGGCGACATCACTTCAGTCAGGAGTTCGAGACAGCAGCTGGCCCAACATGG-TAA 2039
Db 19763 CCAGGCGGCTAGATCACTTCAGTCAGGAGTTCGAGACAGCAGCTGGCCCAACATGGAGAA 9704
QY 2040 ACCTGTCCCTAGTAAATAATGCAAAATAGCTGGGTGGGTGGGTACCTGTGTTC 2099
Db 19703 ACCCATCTCTACTATAAATAATGCAAAATAGCTGGGTGGGTGGGTACCTGTGTTC 9644
QY 2100 CAGTTACTTGGGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGTCATAGC 2159
Db 19643 CAGCTACTTGGGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGTCATAGC 9584
QY 2160 ATGCTGTGATGTGCTTACGAATAGCCACTGCATACCACTGGGCAATATAGCAAGATC 2219
Db 19583 GAGCTGAGATCG-----CGCCTGCACTCCAGGCTGGGCAACAGACAGACT 9535
QY 2220 CCATCTCTTTAAAAAATAAAAAA 2242
Db 19534 CCATCTCAAAAAAATAAAAAA 9512
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RESULT 14

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US-10-092-154-2001/c
; Sequence 2001, Application US/10092154
; Publication No. US20030054375A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009C1
; CURRENT APPLICATION NUMBER: US/10/092,154
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2003
; Prior application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2001
; LENGTH: 7737
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-092-154-2001
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Query Match 7.8%; Score 174.8; DB 9; Length 7737;
Best Local Similarity 75.8%; Pred. No. 4.3e-45;
Matches 247; Conservative 0; Mismatches 67; Indels 12; Gaps 2;

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QY 1919 ACATAAGAAACCAAGGCTGGCGTAGTGGCTACACCTGTAATCCCGACACTTTGGGA 1978
Db 5052 AAATAATTACACATCAGCGCCGCGGCTGCTACACCTGTAATCCCGACACTTTGGGA 4993
QY 1979 GGCCAGGAGGCGAGATCACTTCAGGTCAGGAGTTCGAGACAGCAGCTGGCCCAACATGGT- 2037
Db 4992 GGCCGAGGAGGTCATCAGATGAGTTCAGGAGTTCGAGACAGCAGCTGGCCCAACAGGGTG 4933
QY 2038 AAACGCTGTCCCTAGTAAATAATGCAAAATAGCTGGGTGGGTGGGTACCTGTGT 2097
Db 4932 AAATCCCGTCTCTACTATAAATAATGCAAAATAGCTGGGTGGGTGGGTACCTGTGT 4873
QY 2098 CCAGTTACTTGGGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGGTCATA 2157
Db 4872 CCAAGATACTTGGGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGGAGGAGGCTGCA 4813
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Db 4763 CCTCATCTCAAAAAAATAAACCAACAA 4738
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RESULT 15
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; Sequence 453, Application US/09764887
; Patent No. US20020042096A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P113
; CURRENT APPLICATION NUMBER: US/09/764,887
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 453
; LENGTH: 7737
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-887-453
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Query Match 7.8%; Score 174.8; DB 10; Length 7737;
Best Local Similarity 75.8%; Pred. No. 4.3e-45;
Matches 247; Conservative 0; Mismatches 67; Indels 12; Gaps 2;

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Db 5052 AAATAATTACACATCAGCGCCGCGGCTGCTACACCTGTAATCCCGACACTTTGGGA 4993
QY 1979 GGCCAGGAGGCGAGATCACTTCAGGTCAGGAGTTCGAGACAGCAGCTGGCCCAACATGGT- 2037
Db 4992 GGCCGAGGAGGTCATCAGATGAGTTCAGGAGTTCGAGACAGCAGCTGGCCCAACAGGGTG 4933
QY 2038 AAACGCTGTCCCTAGTAAATAATGCAAAATAGCTGGGTGGGTGGGTACCTGTGT 2097
Db 4932 AAATCCCGTCTCTACTATAAATAATGCAAAATAGCTGGGTGGGTGGGTACCTGTGT 4873
QY 2098 CCAGTTACTTGGGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGGTCATA 2157
Db 4872 CCAAGATACTTGGGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGGAGGAGGCTGCA 4813
QY 2158 GCATGCTGTGATGTGCTTACGAATAGCCACTGCATACCACTGGGCAATATAGCAAGA 2217
Db 4812 GTGAGCGGAGATTG-----AGCCACTGCATCCAGCCTGGGCAACAGAGCGAGA 4764
QY 2218 TCCCATCTCTTTAAAAAATAAAAAA 2243
Db 4763 CCTCATCTCAAAAAAATAAACCAACAA 4738
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GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: April 12, 2003, 18:24:48 ; Search time 55.2066 Seconds
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Title: US-09-380-546A-1
Perfect score: 2243
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Scoring table: IDENTITY_NUC
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Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1991	88.8	2040	4	US-09-069-023-33
2	1952.2	87.0	2045	4	US-08-795-088A-1
3	1619.2	72.2	1750	3	US-08-859-167-1
4	1619.2	72.2	1750	3	US-09-109-273-1
5	1619.2	72.2	1750	4	US-09-276-993-1
6	175	7.8	14581	4	US-08-520-373D-4
7	175	7.8	22481	4	US-08-367-841A-43
8	175	7.8	22481	5	PCT-US95-07201-43
9	175	7.8	22484	4	US-09-875-223-2
10	174.8	7.8	17327	1	US-07-906-871-15
11	170.6	7.6	35060	3	US-08-814-095-7
12	169.8	7.6	72928	3	US-09-009-913-1
13	168.4	7.5	3867	4	US-09-347-114A-81
14	168.2	7.5	36741	4	US-09-301-665-3
15	168.2	7.5	87350	3	US-08-781-891-79
16	168.2	7.5	87543	4	US-09-791-211-3
17	167	7.4	2923	4	US-08-480-449-1
18	167	7.4	2923	2	US-08-660-542-1
19	167	7.4	2923	4	US-08-479-603-1
20	167	7.4	2927	4	US-09-232-878-5
21	166.8	7.4	32042	4	US-09-245-281-44
22	166.6	7.4	282	1	US-08-133-629-8
23	166.6	7.4	9704	4	US-09-814-951A-3
24	165.4	7.4	112132	4	US-09-741-150-3
25	164.8	7.3	36741	4	US-09-301-665-3
26	164.2	7.3	36651	4	US-09-738-894A-3
27	163.8	7.3	8353	3	US-08-611-587-1

C 28	163.8	7.3	43950	4	US-09-735-934A-3	Sequence 3, Appl
C 29	163.6	7.3	99500	4	US-09-798-096-10	Sequence 10, Appl
C 30	163.6	7.3	246240	2	US-08-724-394A-20	Sequence 20, Appl
C 31	163.6	7.3	246240	2	US-08-724-394A-21	Sequence 21, Appl
C 32	163.6	7.3	246240	2	US-08-724-394A-22	Sequence 22, Appl
C 33	163.2	7.3	4853	4	US-08-881-450A-22	Sequence 22, Appl
C 34	162.8	7.3	3166	4	US-09-341-587-8	Sequence 8, Appl
C 35	162.2	7.2	508	3	US-09-058-389A-21	Sequence 21, Appl
C 36	162.2	7.2	508	4	US-09-611-781-21	Sequence 21, Appl
C 37	162.2	7.2	2396	3	US-09-058-389A-10	Sequence 10, Appl
C 38	162.2	7.2	2396	4	US-09-611-781-10	Sequence 10, Appl
C 39	162	7.2	3627	4	US-09-323-873A-6	Sequence 6, Appl
C 40	161.8	7.2	162450	4	US-09-345-882-1	Sequence 1, Appl
C 41	161.8	7.2	246240	2	US-08-724-394A-20	Sequence 20, Appl
C 42	161.8	7.2	246240	2	US-08-724-394A-21	Sequence 21, Appl
C 43	161.8	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appl
C 44	161.4	7.2	6769	1	US-08-480-784-20	Sequence 20, Appl
C 45	161.4	7.2	6769	1	US-08-483-553-20	Sequence 20, Appl

ALIGNMENTS

RESULT 1

US-09-069-023-33
; Sequence 33, Application US/09069023A
; Patent No. 6348573

GENERAL INFORMATION:

; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-069-023-33

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Best Local Similarity	99.0%;	Pred. No.	0;				
Matches	2003;	Conservative	0;	Mismatches	20;	Indels	0;
Gaps	0;						
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DB	61	GGGACTCGGCCTCACACAGTGTAGTCCCGCTATTTGGACTTTTTCAGTGTACAGTGTAGA	120				
QY	167	CAACAGGAGCAGGAGAGTGTAGGAGAGCGCCGAGAGAGTCCCGAGAGTCCCGAGCA	226				
DB	121	CAACAGGAGCAGGAGAGTGTAGGAGAGCGCCGAGAGAGTCCCGAGAGTCCCGAGCA	180				
QY	227	CCAAGTCCGCTTCCAGGCTTTTGGTTCCTTCATCTTGGTTCGCGCTTTCCCGGGG	286				
DB	181	CCAAGTCCGCTTCCAGGCTTTTGGTTCCTTCATCTTGGTTCGCGCTTTCCCGGGG	240				
QY	287	TCTAGGGAGCAGGAGTGTAGTGGCAGGAGAGTCCCGGCGCAGAGAGTCCCGAGCA	346				
DB	241	TCTAGGGAGCAGGAGTGTAGTGGCAGGAGAGTCCCGGCGCAGAGAGTCCCGAGCA	300				
QY	347	TCCCCACATGGAAAGATTCTGAAAGAAATGAAGTCAAGCCCTCAGAAATGAAGTTGACTG	406				
DB	301	TCCCCACATGGAAAGATTCTGAAAGAAATGAAGTCAAGCCCTCAGAAATGAAGTTGACTG	360				
QY	407	CTGTGCTGGCTTTCCTTCTTACTGGCCGCGAGCTGTACTGCAAGACCTTGTGAGCTTCCC	466				

: LENGTH: 2045 base pairs		87.0%; Score 1952.2; DB 4; Length 2045;	
: TYPE: nucleic acid		Best Local Similarity 99.8%; Pred. No. 0;	
: STRANDEDNESS: double		Matches 1965; Conservative 0; Mismatches 3; Indels 1; Gaps 1;	
: TOPOLOGY: linear			
: MOLECULE TYPE: cdna			
US-08-795-088A-1			
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Qy	48	GCAGAGCTTGACGCTCACCAGCAGTCTCAACTAAAGAGGACTCCCGGAGCTAGGGGTGG	107
Db	78	GAGAGCTTGACGCTCACCAGCAGTCTCAACTAAAGAGGACTCCCGGAGCTAGGGGTGG	137
Qy	108	GGACTCGGCTTCACACAGTGAAGTCCCGGCTATTGGACTTTTGTCCAGTGAACAGCTGAGAC	167
Db	138	GGACTCGGCTTCACACAGTGAAGTCCCGGCTATTGGACTTTTGTCCAGTGAACAGCTGAGAC	197
Qy	168	AACAGAGACACGGAGGAGGTGTAGGAGAGAGCGCGGAGACAGGATCGGCCAGCAC	227
Db	198	AACAGAGACACGGAGGAGGTGTAGGAGAGAGCGCGGAGACAGGATCGGCCAGCAC	257
Qy	228	CAAGTCCGCTTCACAGGCTTTCCGCTTTCTTCCCTCCATCTTGGGTGCGCTTCCCGGGCT	287
Db	258	CAAGTCCGCTTCACAGGCTTTCCGCTTTCTTCCCTCCATCTTGGGTGCGCTTCCCGGGCT	317
Qy	288	CTAGGGAGGCAAGGCTTGAGGTGGCAGCGCAGGAGAGTCCCGGCGGACAGGACGAAC	347
Db	318	CTAGGGAGGCAAGGCTTGAGGTGGCAGCGCAGGAGAGTCCCGGCGGACAGGACGAAC	377
Qy	348	CCCCCTGGAAGAGATTCTGAAGAAATGAAGTCAAGCTCAGCCCTCAGAAATGAAGTTGACTGC	407
Db	378	CCCCCTGGAAGAGATTCTGAAGAAATGAAGTCAAGCTCAGCCCTCAGAAATGAAGTTGACTGC	437
Qy	408	CTGCTGGCTTCTCTGTTGACTGGCCCGGAGCTGTACTGCAAGACCTTTGTGAGCTTCCCT	467
Db	438	CTGCTGGCTTCTCTGTTGACTGGCCCGGAGCTGTACTGCAAGACCTTTGTGAGCTTCCCT	496
Qy	468	AGTCTAAGAGTAGGATGCTCCTGAAGTCATCCATCAGTGTGAAGAGCACTTTGATACAG	527
Db	497	AGTCTAAGAGTAGGATGCTCCTGAAGTCATCCATCAGTGTGAAGAGCACTTTGATACAG	556
Qy	528	ATGAGAGGAGATGCTCTCTTTTGTGCCGGGATGTTGCTATAGATGTGGTTCACACTA	587
Db	557	ATGAGAGGAGATGCTCTCTTTTGTGCCGGGATGTTGCTATAGATGTGGTTCACACTA	616
Qy	588	ATGTCAGGGACCTTCTGGATATTTTACGGGAAAGAGGTAAGCTGCTGTCGGGAGCTTGG	647
Db	617	ATGTCAGGGACCTTCTGGATATTTTACGGGAAAGAGGTAAGCTGCTGTCGGGAGCTTGG	676
Qy	648	CTGAACCTGCTCTACAGAGTGAAGCGATTGACCTGCTCAAAACGATATCTTGAAGATGACA	707
Db	677	CTGAACCTGCTCTACAGAGTGAAGCGATTGACCTGCTCAAAACGATATCTTGAAGATGACA	736
Qy	708	GAAGAGCTGTGGAGACCCACTGCTCAGGAACCTCACCCTTGTTCGGACTATAGAGTGC	767
Db	737	GAAGAGCTGTGGAGACCCACTGCTCAGGAACCTCACCCTTGTTCGGACTATAGAGTGC	796
Qy	768	TGATGGCAGAGATTGGTGAAGATTGGATTAATCTGATGTCTCATTAATTTTCTCTCA	827
Db	797	TGATGGCAGAGATTGGTGAAGATTGGATTAATCTGATGTCTCATTAATTTTCTCTCA	856
Qy	828	TGAAGATTACATGGGCGGAGGCAAGATAAGCAAGGAGAGAGTTTCTTGGACCTTGTGG	887
Db	857	TGAAGATTACATGGGCGGAGGCAAGATAAGCAAGGAGAGAGTTTCTTGGACCTTGTGG	916
Qy	888	TTGAGTTGGAGAACTAAATTTGGTTGGCCAGATCAACTGGATTATTAAGAAATGCC	947
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Qy	948	TAAAGAACATCCAGAGATAGACCTGAAGACAAATCCAGAAAGTACAGCAGTCTGTTC	1007

Db	977	TAAAGAACATCCACAGAAATAGACCTGAAGACAAAAATCCAGAGTACACAGCAGTCTGTTC	103
Qy	1008	AAGGAGCAGGAGCAAGTTTACAGGAATGTTCTCCAAGCAGCAATCCAAAAGAGTCTCAAGG	1067
Db	1037	AAGGAGCAGGAGCAAGTTTACAGGAATGTTCTCCAAGCAGCAATCCAAAAGAGTCTCAAGG	1096
Qy	1068	ATCCTTTCAATTAACCTTCAGGCTCCATTAATGGGAGAGTAAAGAACAAAGACTTTAAGGAC	1127
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Qy	1128	AGCTTGGCGCTCAACAAGAACACAGTCAAGAAATCCATTACAGGAATCAGAAGCTTTTTTTC	1187
Db	1157	AGCTTGGCGCTCAACAAGAACACAGTCAAGAAATCCATTACAGGAATCAGAAGCTTTTTTTC	1216
Qy	1188	CTCAGAGCATACCTTGAAGAGAGATACAAGATGAAGAGCAAGCCCTTAGGAATCTGCCTGA	1247
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Qy	1248	TAAATCGATTGCAATTTGCAATGAGACAGAGCTTCTTCGAGACACCTTCACATTCCTCGGCT	1307
Db	1277	TAAATCGATTGCAATTTGCAATGAGACAGAGCTTCTTCGAGACACCTTCACATTCCTCGGCT	1336
Qy	1308	ATGAAGTCCAGAAATCTTTCATCTCAGTATGATGATATATCCACAGATCTTTGGCCCAAT	1367
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Qy	1368	TTGCTCTGATGCTCCGAGCACCAGACTAGCAGACGCTTTGTGTGTCTGCTGGTGAGCCGAG	1427
Db	1397	TTGCTCTGATGCTCCGAGCACCAGACTAGCAGACGCTTTGTGTGTCTGCTGGTGAGCCGAG	1456
Qy	1428	GAGGCTCCAGAGTGTGTATGTTGGATCAGACTCAGCTCAGGCTCCCTCCCTGCATCACA	1487
Db	1457	GAGGCTCCAGAGTGTGTATGTTGGATCAGACTCAGCTCAGGCTCCCTCCCTGCATCACA	1516
Qy	1488	TCAGAGGATGTTTCATGGGAGATTTCATGCCCTTATCTAGCAGGAGGAGCCAAAAGATGTTT	1547
Db	1517	TCAGAGGATGTTTCATGGGAGATTTCATGCCCTTATCTAGCAGGAGGAGCCAAAAGATGTTT	1576
Qy	1548	TTATTACAGAACTATGTGTGTCTAGAGGGCCAGCTGAGAGAACACAGCCTCTCTGGAGGTGG	1607
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Qy	1608	ATGGGCGCAGATGAAGAAATGGAATTCAGAGCTCAGAAAGCGAGGCTGTGCACAGTTC	1667
Db	1637	ATGGGCGCAGATGAAGAAATGGAATTCAGAGCTCAGAAAGCGAGGCTGTGCACAGTTC	1696
Qy	1668	ACCGAGAACTGACTCTCTCTGGAGCTGTGTACTCGGACATGTCCCTGCTGGAGCAGT	1727
Db	1697	ACCGAGAACTGACTCTCTCTGGAGCTGTGTACTCGGACATGTCCCTGCTGGAGCAGT	1756
Qy	1728	CTCAGAGCTCACGCTCCCTGTACTCTCAGTGCCTCTCCAGAAACTGAGACAAAGAAAGAA	1787
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Qy	1788	AACGCCACTCTCTGGATCTTCACATTTGAATCAATGGCTACATGTATGATTGGAACAGCA	1847
Db	1817	AACGCCACTCTCTGGATCTTCACATTTGAATCAATGGCTACATGTATGATTGGAACAGCA	1876
Qy	1848	GAGTTTCTCCAGGAGAAATATATGTCTGGCTGCAGACACATCTGAGAGAAAGAACTTA	1907
Db	1877	GAGTTTCTCCAGGAGAAATATATGTCTGGCTGCAGACACATCTGAGAGAAAGAACTTA	1936
Qy	1908	TCCTCTCTACACATAAGAAACCAAAGGCTGGGCTAGTGGCTGCACACCTGTAAATCCCA	1967
Db	1937	TCCTCTCTACACATAAGAAACCAAAGGCTGGGCTAGTGGCTGCACACCTGTAAATCCCA	1996
Qy	1968	GCACCTTGGGAGGCCAAGGAGGCGAGATCACTTTCAGGTTCAGGAGTTCGA 2016	
Db	1997	GCACCTTGGGAGGCCAAGGAGGCGAGATCACTTCAGGTTCAGGAGTTCGA 2045	

RESULT 3
US-08-859-167-1

: Sequence 1, Application US/08859167
: Patent No. 6037461
: GENERAL INFORMATION:
: APPLICANT: Alnemri, Emdad S.
: TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
: TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
: TITLE OF INVENTION: OF MAKING THE SAME
: NUMBER OF SEQUENCES: 17
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6037461
: STREET: One Liberty Place, 46th floor
: CITY: Philadelphia
: STATE: PA
: COUNTRY: USA
: ZIP: 19103
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: WINDOWS
: SOFTWARE: WordPerfect
: CURRENT APPLICATION DATA:
: FILING DATE: US/08/859,167
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Deluca, Mark
: REGISTRATION NUMBER: 33,229
: REFERENCE/DOCKET NUMBER: TJU-
: TELEPHONE: (215) 568-3100
: TELEFAX: (215) 568-3439
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1750 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: both
: MOLECULE TYPE: CDNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 413..1750
US-08-859-167-1

Query Match 72.28; Score 1619.2; DB 3; Length 1750;
Best Local Similarity 94.18; Pred. No. 0;
Matches 174; Conservative 0; Mismatches 3; Indels 106; Gaps 2;
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Db 1 CGAGTCTCAACTAAAGGACTCCGGAGCTAGGGGTGGGACTCGGCTCCACACAGTGA 60
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Db 121 TGTAGGAGAGAGCGCGCGAAGAGGATCCCGCAGACCAAGTCCCGCTCCAGGCTTC 180
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Qy 309 TGGAGCGGCGAGGAGGCTCCGGCGCGGACAGGACGACTCCCGCAGTGGAAAGATCTG 368
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Db 301 AAAGAAATGAAGTCAAGCTTCAAGAAATGAAGTCAAGCTTCAAGCTTCAAGCTTCAAG 359
Qy 429 GGGCGGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCCTAGCTCTAAGAGTAGGATGCTG 488

Db 360 GGGCGGAGCTGTACTGCAAGACCCCTTGTGAGCTTCCCTAGCTCTAAGAGTAGGATGCTG 419
Qy 489 CTGAAGTCAATCCATCAGGTTGAAGACACTTGTATACAGATGAGAAGAGATGCTGCTCT 548
Db 420 CTGAAGTCAATCCATCAGGTTGAAGACACTTGTATACAGATGAGAAGAGATGCTGCTCT 479
Qy 549 TTTTGTCCGGGATGTTGCTATAGATGTTTCCACCTAATGTCAGGAGCTTCTTGGA 608
Db 480 TTTTGTCCGGGATGTTGCTATAGATGTTTCCACCTAATGTCAGGAGCTTCTTGGA 539
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Db 1018 -----GAGCATACCTGAAGAGA 1034
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Qy 1269 AGACAGAGCTTCTTCGAGACACCTTCACTTCCCTGGCTATGAAGTCCAGAAATTCCTGC 1328
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Db 1275 GTGTGGATCAGACTCACTCAGGCTCCCGCTGCATCAGATCAGAGAGATGTTTATGGAG 1334
Qy 1509 ATTATCCCTTATCTAGCAGGAGGAGGCAAGAGATGTTTTTTTATTCAGAACTATGTTGTG 1568

1335	ATTCATGCGCCTTATCTACGAGGGAACCAAGAGTGTCTTTTATTTCAGAACTATGTGCTGT	1394
1569	CAGAGGGCCAGCTGGAGAACACGACGCCCTCTTGGAGGTGGATGGCCGACGCGATGAAGAATG	1628
1395	CAGAGGGCCAGCTGGAGAACACGACGCCCTCTTGGAGGTGGATGGCCGACGCGATGAAGAATG	1454
1629	TGGAAATTCAAGGCTCAGAAAGCGAGGGCTGTGCGACAGTTTCACCGGAGAAAGCTGTACTTCTCT	1688
1455	TGGAAATTCAAGGCTCAGAAAGCGAGGGCTGTGCGACAGTTTCACCGGAGAAAGCTGTACTTCTCT	1514
1689	GGAGCCTGTGTACTGCGGACATGTCCTCTGCTGGAGCAGTCTCACAGCTCACCGTCCCTGT	1748
1515	GGAGCCTGTGTACTGCGGACATGTCCTCTGCTGGAGCAGTCTCACAGCTCACCGTCCCTGT	1574
1749	ACCTGCAGTGCCTCTCCAGAAACTGAGACAAGAAAGAAAACGCCCACTCTCTGGATCTTC	1808
1575	ACCTGCAGTGCCTCTCCAGAAACTGAGACAAGAAAGAAAACGCCCACTCTCTGGATCTTC	1634
1809	ACATTGAACCTCAATGGCTACATGTATGATTGGAACACACAGAGTTTCTGCCAAGGAGAAAT	1868
1635	ACATTGAACCTCAATGGCTACATGTATGATTGGAACACACAGAGTTTCTGCCAAGGAGAAAT	1694
1869	ATTATGCTGGCGTCGACGACACTCTGAGAAAAGAAACTTATTCCTCTCTACACATAA	1924
1695	ATTATGCTGGCGTCGACGACACTCTGAGAAAAGAAACTTATTCCTCTCTACACATAA	1750

RESULT 4

US-09-109-273-1
Sequence 1, Application US/09109273
Patent No. 6063760
GENERAL INFORMATION:
APPLICANT: Alnemzi, Emad S.
APPLICANT: Fernandez-Alnemzi, Teresa
TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
TITLE OF INVENTION: OF MAKING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6063760ris
STREET: One Liberty place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: WINDOWS
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,273
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/859,167
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1750 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS

Db 960 GGAATGTTCTCCAGCAGCAATCCAAAGAGTCTCAAGGATCCTTCAATAACTTTCAG-- 1017
QY 1089 TCCATAATGGGAGAGTAAGAACAAGACTTAAGAACAGCTTGGCGCTCAACAGAAC 1148
Db 1018 ----- 1017
QY 1149 CAGTGAAGAAATCCATTCCAGGAATCAGAAAGCTTTTGGCTCAGAGCATACCTGAAGAGA 1208
Db 1018 -----GACCATACCTGAAGAGA 1034
QY 1209 GATACAGATGAAGAGCAAGCCCTTAGGAATCTGCTGTATATCGATTCGATTTGCAATG 1268
Db 1035 GATACAGATGAAGAGCAAGCCCTTAGGAATCTGCTGTATATCGATTTGCAATG 1094
QY 1269 AGACAGAGCTTCTCGAGACACTTTCACATTCCTGGCTATGAGTCCAGAAATCTTCC 1328
Db 1095 AGACAGAGCTTCTCGAGACACTTTCACATTCCTGGCTATGAGTCCAGAAATCTTCC 1154
QY 1329 ATCTCAGTATGATGATATATCCAGATTCCTTGGCCAAATTTGCTGTATGCTCCGAGCACC 1388
Db 1155 ATCTCAGTATGATGATATATCCAGATTCCTTGGCCAAATTTGCTGTATGCTCCGAGCACC 1214
QY 1389 GAGACTACAGACAGCTTTGTGTGCTGCTGAGCCGAGAGGCTCCAGAGTGTGTATG 1448
Db 1215 GAGACTACAGACAGCTTTGTGTGCTGCTGAGCCGAGAGGCTCCAGAGTGTGTATG 1274
QY 1449 GTCTGATCAGACTCACTCAGGCTCCCTGCTCATCATCAGGAGGATGTTTCATGGGAG 1508
Db 1275 GTCTGATCAGACTCACTCAGGCTCCCTGCTCATCATCAGGAGGATGTTTCATGGGAG 1334
QY 1509 ATTATGCTCCCTTATCTAGCAGGGAAGCCAAAGATGTTTTTATTCAGAACTATGTGGTGT 1568
Db 1335 ATTATGCTCCCTTATCTAGCAGGGAAGCCAAAGATGTTTTTATTCAGAACTATGTGGTGT 1394
QY 1569 CAGAGGGCCAGCTGGAGACAGCAGAGCTCTTGGAGTGGATGGCCGAGGATGAAGAAATG 1628
Db 1395 CAGAGGGCCAGCTGGAGACAGCAGAGCTCTTGGAGTGGATGGCCGAGGATGAAGAAATG 1454
QY 1629 TGAATTCAGGCTCAGAGCAGGAGGCTGTCACAGTTCACCGAGAGCTGACTTCTTCT 1688
Db 1455 TGAATTCAGGCTCAGAGCAGGAGGCTGTCACAGTTCACCGAGAGCTGACTTCTTCT 1514
QY 1689 GGAGCTGTGTACTGGGAGATGCTCCCTGCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1748
Db 1515 GGAGCTGTGTACTGGGAGATGCTCCCTGCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1574
QY 1749 ACCTGAGTCCCTCTCCGAGAACTGAGACAGAAAGAAACCCCACTCCTGGATCTTC 1808
Db 1575 ACCTGAGTCCCTCTCCGAGAACTGAGACAGAAAGAAACCCCACTCCTGGATCTTC 1634
QY 1809 ACATTGAACCTCAATGGCTACATGATGATGGAACAGCAGAGTTCTGCCAAGGAGAAAT 1868
Db 1635 ACATTGAACCTCAATGGCTACATGATGATGGAACAGCAGAGTTCTGCCAAGGAGAAAT 1694
QY 1869 ATTATGTCTGGCTGCAGCAGCTCTGAGAAAGAAACTTATCTCTCTTACACATAA 1924
Db 1695 ATTATGTCTGGCTGCAGCAGCTCTGAGAAAGAAACTTATCTCTCTTACACATAA 1750

RESULT 5
US-09-276-993-1
; Sequence 1, Application US/09276993
; Patent No. 6207801
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF
; TITLE OF INVENTION: USING THE SAME, AND COMPOSITIONS FOR AND METHODS
; TITLE OF INVENTION: OF MAKING THE SAME
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6207801Iris
; STREET: One Liberty Place, 46th floor

; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/276,993
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/859,167
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1750 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 413..1750
; US-09-276-993-1

Query Match 72.2%; Score 1619.2; DB 4; Length 1750;
Best Local Similarity 94.1%; Pred. No. 0;
Matches 1747; Conservative 0; Mismatches 3; Indels 106; Gaps 2;
QY 69 CGAGTCTCAACTAAAGGAGCTCCCGAGCTAGGGTGGGGACTCGGCTCACACAGTGA 128
Db 1 CGAGTCTCAACTAAAGGAGCTCCCGAGCTAGGGTGGGGACTCGGCTCACACAGTGA 60
QY 129 GTGCCGGCTATTGGACTTTTGTCCAGTGACAGCTGACAGCAACAAAGACACCGGAGGAG 188
Db 61 GTGCCGGCTATTGGACTTTTGTCCAGTGACAGCTGACAGCAACAAAGACACCGGAGGAG 120
QY 189 TGTAGAGAGAGAGCGCGGAGACAGGATGCGCCAGCAGCAAGTCCGCTTCCAGGCTTTC 248
Db 121 TGTAGAGAGAGAGCGCGGAGACAGGATGCGCCAGCAGCAAGTCCGCTTCCAGGCTTTC 180
QY 249 GGTTCCTTTGCCCTCCATCTTGGTGGCGCTTCCCGGCGCTTAGGGGAGCGAAGGCTGAGG 308
Db 181 GGTTCCTTTGCCCTCCATCTTGGTGGCGCTTCCCGGCGCTTAGGGGAGCGAAGGCTGAGG 240
QY 309 TGCAGCGCAGGAGAGTCCCGCGCGAGCAGGAGCAACTCCCCCACTGGAAGGATTCGTG 368
Db 241 TGCAGCGCAGGAGAGTCCCGCGCGAGCAGGAGCAACTCCCCCACTGGAAGGATTCGTG 300
QY 369 AAAGAAATGAATCAGCCCTCAGAAATGAATGAGTTGACTGCTGCTGCTTCTGCTGACT 428
Db 301 AAAGAAATGAATCAGCCCTCAGAAATGAATGAGTTGACTGCTGCTGCTTCTGCTGACT 359
QY 429 GGCCCGGAGCTGACTGCAAGACCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTCTG 488
Db 360 GGCCCGGAGCTGACTGCAAGACCTTGTGAGCTTCCCTAGTCTAAGAGTAGGATGCTCTG 419
QY 489 CTGAAGTCTATCCATCAGGTTGAAGAGCACTTGTATACAGATGAGAGGAGATGCTGCTCT 548
Db 420 CTGAAGTCTATCCATCAGGTTGAAGAGCACTTGTATACAGATGAGAGGAGATGCTGCTCT 479
QY 549 TTTTGTGCGGGAGTGTGCTATAGATGTGTGCTTCCCACTTATGTGAGGAGGACCTTCTCGATA 608
|||||

Db 480 TTTTGTCCGGGATGTTGCTATAGATGTGGTTCCACCTAATGTCAGGACCTTCTGTGATA 539
QY 609 TTTTACGGGAAGAGGTAAAGCTGTCTGTCCGGGACTTTGGCTGAACCTCTCTACAGAGTGA 668
Db 540 TTTTACGGGAAGAGGTAAAGCTGTCTGTCCGGGACTTTGGCTGAACCTCTCTACAGAGTGA 599
QY 569 GCGGATTGACCTGCTCAACAGCTATCTTGAAGATGGACAGAAAAGCTGTGGAGACCCACC 728
Db 600 GCGGATTGACCTGCTCAACAGCTATCTTGAAGATGGACAGAAAAGCTGTGGAGACCCACC 659
QY 729 TGCTCAGGAACCCCTCACTTGTGTTCCGACTATAGAGTGCATGGGACAGAGATTGGTGAGG 788
Db 660 TGCTCAGGAACCCCTCACTTGTGTTCCGACTATAGAGTGCATGGGACAGAGATTGGTGAGG 719
QY 789 ATTTGGATAAATCTGATGTCTCTCAATTAATTTTCCATGAAGGATTACATGGCCGAG 848
Db 720 ATTTGGATAAATCTGATGTCTCTCAATTAATTTTCCATGAAGGATTACATGGCCGAG 779
QY 849 GCAAGATAACCAAGGAGAGAGTTTCTTGGACCTTGTGGTTGAGTTGGAGAAAATAAAT 908
Db 780 GCAAGATAACCAAGGAGAGAGTTTCTTGGACCTTGTGGTTGAGTTGGAGAAAATAAATC 839
QY 909 TGGTTGCCCCAGATCAACTCGATTATTTAGAAAAATCCCTTAAAGAACATCCACAGAAATG 968
Db 840 TGGTTGCCCCAGATCAACTCGATTATTTAGAAAAATCCCTTAAAGAACATCCACAGAAATG 899
QY 969 ACCTGAAGACAAAATCCAGAAGTACAGAGCTGTCTTCAAGGAGGAGGACAAAGTTTACA 1028
Db 900 ACCTGAAGACAAAATCCAGAAGTACAGAGCTGTCTTCAAGGAGGAGGACAAAGTTTACA 959
QY 1029 GGAATGTTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1088
Db 960 GGAATGTTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1017
QY 1089 TCCATATGGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1148
Db 1018 ----- 1017
QY 1149 CAGTGAAGAAATCCATTACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1208
Db 1018 -----GAGCATACCTGAAGAGA 1034
QY 1209 GATACAGATGAAGAGCAAGCCCTAGGAATCTGCCTGATAATCGATTGCGATTGGCAATG 1268
Db 1035 GATACAGATGAAGAGCAAGCCCTAGGAATCTGCCTGATAATCGATTGCGATTGGCAATG 1094
QY 1269 AGACAGAGCTTCTTCGAGACACCTTCACTTCCCTGGGCTATGAAGTCCAGAAATTTCTGC 1328
Db 1095 AGACAGAGCTTCTTCGAGACACCTTCACTTCCCTGGGCTATGAAGTCCAGAAATTTCTGC 1154
QY 1329 ATCTCAGTATGCATGGTATATCCAGATTTCTTGGCCAAATTTGGCTGTATGCCGAGACCC 1388
Db 1155 ATCTCAGTATGCATGGTATATCCAGATTTCTTGGCCAAATTTGGCTGTATGCCGAGACCC 1214
QY 1389 GAGACTACGACAGCTTGTGTGTCTCTGCTGAGCCGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1448
Db 1215 GAGACTACGACAGCTTGTGTGTCTCTGCTGAGCCGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1274
QY 1449 GTGTGATCAGACTCACTCAGGCTCCCTTGCATCAGATCAGGAGGAGGAGGAGGAGGAGGAGG 1508
Db 1275 GTGTGATCAGACTCACTCAGGCTCCCTTGCATCAGATCAGGAGGAGGAGGAGGAGGAGGAGG 1334
QY 1509 ATTATGCCCTTATCTAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1568
Db 1335 ATTATGCCCTTATCTAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1394
QY 1569 CAGAGGCCAGCTGGGAGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1628
Db 1395 CAGAGGCCAGCTGGGAGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1454
QY 1629 TGAATTTCAAGGCTCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1688
Db 1455 TGAATTTCAAGGCTCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1514

QY 1689 GGAGCCTGTGTACTGGGACATGTCTCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1748
Db 1515 GGAGCCTGTGTACTGGGACATGTCTCTGGAGCAGTCTCACAGCTCACCGTCCCTGT 1574
QY 1749 ACCTGAGTGCCTCTCCAGAACTGAGACAGAAAGAAAGCCCACTCTCTGGATCTTC 1808
Db 1575 ACCTGAGTGCCTCTCCAGAACTGAGACAGAAAGAAAGCCCACTCTCTGGATCTTC 1634
QY 1809 ACATTGAACCTCAATGGCTACATGTATGATTGGAACAGCAGATTTCTGCCAAGGAGAAAT 1868
Db 1635 ACATTGAACCTCAATGGCTACATGTATGATTGGAACAGCAGATTTCTGCCAAGGAGAAAT 1694
QY 1869 ATTATGCTGGCTGCAGCACACTCTGAGAAAGAAACTTATCTCTCTCTACACATAA 1924
Db 1695 ATTATGCTGGCTGCAGCACACTCTGAGAAAGAAACTTATCTCTCTCTACACATAA 1750

RESULT 6
US-08-520-373D-4/c
; Sequence 4, Application US/08520373D
; Patent No. 6451763
; GENERAL INFORMATION:
; APPLICANT: Tombran-Tink, Joyce
; APPLICANT: Steele, Fintan R
; APPLICANT: Chader, Gerald J
; APPLICANT: Becerra, Sofia P
; APPLICANT: Johnson, Lincoln V
; APPLICANT: Rodriguez, Ignacio R
; TITLE OF INVENTION: RETINAL PIGMENTED EPITHELIUM DERIVED NEUROTROPIC FACTOR
; FILE REFERENCE: 2026-4203051
; CURRENT APPLICATION NUMBER: US/08/520,373D
; PRIOR FILING DATE: 1995-08-29
; PRIOR APPLICATION NUMBER: 08/377,710
; PRIOR FILING DATE: 1995-01-25
; PRIOR APPLICATION NUMBER: 08/279,979
; PRIOR FILING DATE: 1994-07-25
; PRIOR APPLICATION NUMBER: 07/894,215
; PRIOR FILING DATE: 1992-06-04
; PRIOR APPLICATION NUMBER: 07/952,796
; PRIOR FILING DATE: 1992-09-24
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 4
; LENGTH: 14581
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; OTHER INFORMATION: mRNA: 6683; EXON: 6683-6790; EXON 11584-11675;
; OTHER INFORMATION: EXON: 14539-14581; INTRON: 6791-11583; INTRON:
; OTHER INFORMATION: 11676-14538; CDS: 11584-11675; 14539-14580
US-08-520-373D-4

Query Match 7.8%; Score 175; DB 4: Length 14581;
Best Local Similarity 76.2%; Pred. No. 1.5e-42;
Matches 246; Conservative 0; Mismatches 65; Indels 12; Gaps 2;
QY 1921 ATAAGAACCAAAAGGCTGGGCTAGTGGCTCACACCTGTAAATCCAGCAGCTTTGGGAGG 1980
Db 9834 AAAAAAAAAAAAGGCCAGGCCAGCTGCTCAAACTGTATCCAGCAGCTTTGAGAGG 9775
QY 1981 CCAAGAGGCGAGATCACTTCAGGTGAGAGTTTCGAGACAGCCTGGCCAACTATG- 2039
Db 9774 CCGAGCGGGTAGATCACTTCAGGTGAGAGTTTCGAGACCATCTCGCCCAACTGAGAA 9715
QY 2040 ACCTCTCCTCTAGTAAATAATGCAAAATAGCTGGGTGGGTGGGTGCTGCTTCC 2099
Db 9714 ACCCATCTCTACTAAAAATACAAAAATAGCCGGGTGGGTGGGTGCTGCTTCC 9655
QY 2100 CAGTACTTGGGAGGCTGAGGTTGGGAGGATCTTTTGAACCCAGGAGTTCAGGCTCATAGC 2159
Db 9654 CAGTACTTGGGAGGCTGAGGTTGGGAGGAGATCACTTGAATCCAGGAAGTGGAGGTTGCAGT 9595

LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: full length genomic
OTHER INFORMATION: sequence for PEDF plus flanking sequences.
PCT-US95-07201-43

Query Match 7.88; Score 175; DB 5; Length 22481;
Best Local Similarity 76.2%; Pred. No. 1.9e-42;
Matches 246; Conservative 0; Mismatches 65; Indels 12; Gaps 2;

QY 1921 ATAGAAACCAAGGCTGGCGTAGTGGCTCACACCTGTAATCCAGCAGCTTTGGGAGG 1980
DB 9823 AAAAAAAAAAAGGCGGAGTGGCTCAACCTGTAATCCAGCAGCTTTGGAGG 9764
QY 1981 CCAAGGAGGCGAGATCACTTCAGGTGAGGAGTTGAGACAGCAGCTGGCCCAACATGG-TAA 2039
DB 9763 CCGAGGCGGTAGTACCTGAGGTGAGGAGTTGAGACCATCTTGGCCCAACATGGAGAA 9704
QY 2040 ACGTGTCCCTAGTAAATAATGCAAAATAGTGGGTGGGTGGGTACCTGTGTGTTCC 2099
DB 9703 ACCCATCTCTACTTAAATAATGCAAAATAGTGGGTGGGTGGGTACCTGTGTGTTCC 9644
QY 2100 CAGTGTCTGGAGGCTGAGTGGGAGGATCTTTTGAACCCAGGAGTTTCAGGTCATAGC 2159
DB 9643 CAGCTACTTGGAGGCTTAAAGGAGGAGTGAATCCAGGAAGTGGAGGTTCAGT 9584
QY 2160 ATGCTGTGTGTCCTTACGAATAGCCACTGCATACCAACCTGGGCAATATAGCAAGATC 2219
DB 9583 GAGCTGAGATCG-----CGCCACTGCATCCAGGCTGGGCAACAGAGCAAGACT 9535
QY 2220 CCATCTCTTTAAAAAATAAAAAA 2242
DB 9534 CCATCTCAAAAAAATAAAAAA 9512

RESULT 9

US-09-875-223-2/c
Sequence 2, Application US/09875223
Patent No. 6391850
GENERAL INFORMATION:
APPLICANT: No. 6391850thwestern University
APPLICANT: David Dawson
APPLICANT: Paul Gillis
TITLE OF INVENTION: Methods and Compositions for Inhibiting Angiogenesis
FILE REFERENCE: 0290-2303
CURRENT APPLICATION NUMBER: US/09/875,223
CURRENT FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: US 09/122,079
PRIOR FILING DATE: 1998-07-23
PRIOR APPLICATION NUMBER: PCT/US98/15228
PRIOR FILING DATE: 1998-07-23
PRIOR APPLICATION NUMBER: US 08/899,304
PRIOR FILING DATE: 1997-07-23
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 22484
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: Unsure
LOCATION: 1...22484
OTHER INFORMATION: "n" means either a, c, t, or g
US-09-875-223-2

Query Match 7.88; Score 175; DB 4; Length 22484;
Best Local Similarity 76.2%; Pred. No. 1.9e-42;
Matches 246; Conservative 0; Mismatches 65; Indels 12; Gaps 2;

QY 1921 ATAGAAACCAAGGCTGGCGTAGTGGCTCACACCTGTAATCCAGCAGCTTTGGGAGG 1980
DB 9823 AAAAAAAAAAAGGCGGAGTGGCTCAACCTGTAATCCAGCAGCTTTGAGAGG 9764

QY 1981 CCAAGGAGGCGAGATCACTTCAGGTGAGGAGTTGAGACAGCAGCTGGCCCAACATGG-TAA 2039
DB 9763 CCGAGGCGGTAGTACCTGAGGTGAGGAGTTGAGACCATCTTGGCCCAACATGGAGAA 9704
QY 2040 ACGTGTCCCTAGTAAATAATGCAAAATAGTGGGTGGGTGGGTACCTGTGTGTTCC 2099
DB 9703 ACCCATCTCTACTTAAATAATGCAAAATAGTGGGTGGGTGGGTACCTGTGTGTTCC 9644
QY 2100 CAGTGTCTGGAGGCTGAGTGGGAGGATCTTTTGAACCCAGGAGTTTCAGGTCATAGC 2159
DB 9643 CAGCTACTTGGAGGCTTAAAGGAGGAGTGAATCCAGGAAGTGGAGGTTCAGT 9584
QY 2160 ATGCTGTGTGTCCTTACGAATAGCCACTGCATACCAACCTGGGCAATATAGCAAGATC 2219
DB 9583 GAGCTGAGATCG-----CGCCACTGCATCCAGGCTGGGCAACAGAGCAAGACT 9535
QY 2220 CCATCTCTTTAAAAAATAAAAAA 2242
DB 9534 CCATCTCAAAAAAATAAAAAA 9512

RESULT 10

US-07-906-871-15
Sequence 15, Application US/07906871
Patent No. 5340739
GENERAL INFORMATION:
APPLICANT: Stevens, Richard L.
APPLICANT: Avraham, Shalom
TITLE OF INVENTION: HEMATOPOIETIC CELL SPECIFIC
TITLE OF INVENTION: TRANSCRIPTIONAL REGULATORY ELEMENTS OF SERGLYCIN AND USES
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1225 Connecticut Avenue, N.W., Suite 300
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20036

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/906,871
FILING DATE: 19920103
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/816,289
FILING DATE: 03 JAN 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/635,544
FILING DATE: 18-JAN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US89/03051
FILING DATE: 13-JUL-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/224,035
FILING DATE: 13-JUL-1988
ATTORNEY/AGENT INFORMATION:
NAME: Cimbala, Michele A
REGISTRATION NUMBER: 33,851
REFERENCE/DOCKET NUMBER: 0627.2830004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)833-7533
TELEFAX: (202)833-8716
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 17327 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: both

US-09-347-114A-81

Query Match 7.5%; Score 168.4; DB 4; Length 3867;
Best Local Similarity 72.8%; Pred. No. 7.1e-41;
Matches 249; Conservative 0; Mismatches 81; Indels 12; Gaps 2;

QY 1903 ACTTATCTCTCCTACACATAAGAAACAAAAGGCTGGCGTAGTGCTCACACTGTAA 1962
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1049 ACTTTATTTCCTTGTATTAGTAAGAGGTAGGCTGGGCATGCTGCTCACACTGTAA 990

QY 1963 TCCCAGCACTTTGGGAGGCCAAGAGGCGAGCATCACTTCCAGTCAGGAGTTTCGAGACCAG 2022
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 989 TCCCAGCACTTTGGGAGGCCGAGCGGGTGGATCACCTCGAGATCAGGAATTCGAAGACCAG 930

QY 2023 CTTGGCCAAACATGCT-AAACGCTCTCCCTAGTAAAAATGCAAAAATTAGCTGGCTGGTGGG 2081
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 929 CTTGGCCAAACATGCTGAGACCTCTGCTCTACTAAAAATACAAAATTAGCTGGGCATGGT 870

QY 2082 TGTGGGTACCTGTGTTCCCCAGTTACTTTGGGAGGCTGAGGTGGGAGGATCTTTTTGAACCCA 2141
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 869 GGTGGGCACCTGCAGCCCCAGCTACTCGGGAGGCTGAGACAGAAGAAATGTTTGAACCTCG 810

QY 2142 GGAGTTCAGGGTCATAGCATGCTGTGATGTGCTACGAAATAGCCACTGTCATCCAACT 2201
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 809 GGAGGTAGAGGTTGCAGTGAAGCTGAGATCG-----AATCACTGCACTCCAGCCT 761

QY 2202 GGGCAATATAGCAAGATCCCATCTCTTTAAAAAIAAAAAAAAA 2243
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 760 GGGCAATAGAGAGAGACTCCATCTCAAAAAAAAAAAAAAAAA 719

RESULT l4
US-09-301-665-3/c
; Sequence 3, Application US/09301665
; Patent No. 6207876
; GENERAL INFORMATION:
; APPLICANT: KELLEMS, RODNEY E.
; APPLICANT: DATTA, SURJIT K.
; APPLICANT: BLACKBURN, MICHAEL R.
; TITLE OF INVENTION: ADENOSINE DEAMINASE DEFICIENT TRANSGENIC MICE AND
; TITLE OF INVENTION: METHODS FOR THE USE THEREOF
; FILE REFERENCE: UTS#243
; CURRENT APPLICATION NUMBER: US/09/301.665
; CURRENT FILING DATE: 1999-04-28
; EARLIER APPLICATION NUMBER: 60/083,408
; EARLIER FILING DATE: 1998-04-29
; EARLIER APPLICATION NUMBER: 60/083,370
; EARLIER FILING DATE: 1998-04-28
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 36741
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-301-665-3

Query Match 7.5%; Score 168.2; DB 4; Length 36741;
Best Local Similarity 73.5%; Pred. No. 3e-40;
Matches 233; Conservative 0; Mismatches 73; Indels 11; Gaps 1;

QY 1926 AAACCAAAGGCTGGGCGTAGTGCTCACACTGTAAATCCAGCACTTTGGGAGGCCAAG 1985
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1991 AAGACAGGACCAGGCACATGGCTCATGCTGTAAATCCAGCACTGTGGGAGGCCAAG 19851

QY 1986 GAGGCGAGATCACTTTCAGGTTCAGGACCCAGCCTGGCCAACTGTTGAACGCTG 2045
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Db 19850 CTGGGTGGATCACTTGAGGTGAGGATTCGAGACCAAGCCTGGCCAACTGTTGAACCCCA 19791

QY 2046 TCCCTAGTAAAAATGCAAAAATTAGCTGGGTGCTGGGTACCTGTTGCCAGTTA 2105
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Db 19790 TCTCCGTAAAAATACAAAATTAGCTGGATGTGCTGGCATGCTCTGTAATCCAGCTA 19731

QY 2106 CTTGGGAGGCTGAGGTGGGAGGATCTTTTGAACCCAGGAGGTCAGGGGTCAATAGATGCTG 2165

Db 19730 CTCAGGAGCTGAGGAGGAGATCACTTGACCCAGGAGGTGAGGTTGCAGTGAAGCG 19671
Qy 2166 TGATTGTGCTTACGAATAGCCACTGCATACCACTGGGCAATATAGCAAGATCCCATCT 2225
Db 19670 AGATCAT-----GCCACTGCACCTCCAGCTGGGGACAGAGCAAGACTCTATCT 19622
Qy 2226 CTTTAAAAAATAAAAAA 2242
Db 19621 CAAAAGAAAAAATAAAAA 19605

RESULT 15

US-08-781-891-79

; Sequence 79, Application US/08781891

; Patent No. 6090620

; GENERAL INFORMATION:

; APPLICANT: Fu, Ying-Hui

; APPLICANT: Yu, Chang-En

; APPLICANT: Oshima, Junko

; APPLICANT: Mulligan, John T.

; APPLICANT: Schellenberg, Gerald D.

; TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO

; TITLE OF INVENTION: WERNER'S SYNDROME

; NUMBER OF SEQUENCES: 209

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SEED and BERRY LLP

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: USA

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/781,891

; FILING DATE: 27-DEC-1996

; CLASSIFICATION: 800

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; INFORMATION FOR SEQ ID NO: 79:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 87350 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-08-781-891-79

Query Match

Best Local Similarity 7.5%; Score 168.2; DB 3; Length 87350;

Matches 238; Conservative 0; Mismatches 64; Indels 12; Gaps 2;

Qy 1931 AAAAGCTGGCGCTAGTGGCTCACACCTGTAATCCAGCAGCTTTGGGAGGCAAGAGGG 1990
Db 41980 AAAAGCTGGCGCTAGTGGCTCAGGCTGTATATCCAGCAGCTTTGGGAGGCGGAGG 42039
Qy 1991 CAGATCACTTCAGTCAAGGAGTTCGAGACCAGGCTGGCCAAACATGGT-AAACGCTGTCC 2049
Db 42040 CAGATCACTTCAGTCAAGGAGTTCAGACCAGGCTGGCCAAACATGATGAAATCCGTTT 42099
Qy 2050 TAGTAAAAATGCCAAAATAGCTGGGTGCTGGGTGCTGGGTGCTGGGTGCTGGGTGCTG 2109
Db 42100 TACTAAAAGTACAAAAAATAGCTGGGCGGTGTTGGGTGCTGTAATCCAGCATTTCA 42159
Qy 2110 GGAGGCTGAGTGGGAGGATCTTTTGAACCCAGGAGTTCAGGAGTTCATAGCATGCTGTGAT 2169

Db 42160 GGAGGCTGAGGCGAGAGAAATTCCTTGAACCCAGGAGGTGGAGGTTCAGTGAAGAT 42219
Qy 2170 TGTGCCCTTACGAATAGCCACTGCATACCACTGGGCAATATAGCAAGATCCCATCTCTT 2229
Db 42220 TGT-----GCCACTGCACCTTCAGCTGGGACAGAGGAGACTCTGTCTCNA 42268
Qy 2230 AAAAAAATAAAAAA 2243
Db 42269 AAAAAAATAAAAAA 42282

Search completed: April 12, 2003, 20:46:13
Job time : 517.207 secs